

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052221\
 Data File : VW019054.D
 Acq On : 21 May 2021 17:19
 Operator : SY/VA
 Sample : VW0522SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0522SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:48:17 PM

Quant Time: May 22 03:36:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W051921S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 20 03:59:48 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.952	168	354051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	583806	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	533974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	264038	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	229643	57.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.70%	
35) Dibromofluoromethane	7.885	113	204278	55.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.52%	
50) Toluene-d8	10.323	98	821988	56.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.04%	
62) 4-Bromofluorobenzene	12.615	95	293164	54.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.98%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.008	85	50265	21.09	ug/l	98
3) Chloromethane	2.215	50	55730	21.07	ug/l	97
4) Vinyl Chloride	2.367	62	87590	22.54	ug/l	98
5) Bromomethane	2.776	94	72803	22.36	ug/l	97
6) Chloroethane	2.922	64	58788	22.03	ug/l	99
7) Trichlorofluoromethane	3.263	101	39209	18.35	ug/l	96
8) Diethyl Ether	3.684	74	40942	22.03	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.062	101	76942	22.26	ug/l	98
10) Methyl Iodide	4.282	142	107467	21.18	ug/l	98
11) Tert butyl alcohol	5.184	59	26087	134.19	ug/l	99
12) 1,1-Dichloroethene	4.050	96	77879	22.09	ug/l	92
13) Acrolein	3.897	56	23603	98.97	ug/l	99
14) Allyl chloride	4.672	41	94670	20.63	ug/l	98
15) Acrylonitrile	5.373	53	77375	110.98	ug/l	99
16) Acetone	4.129	43	62680	110.40	ug/l	97
17) Carbon Disulfide	4.385	76	203904	21.16	ug/l	99
18) Methyl Acetate	4.672	43	38803	23.22	ug/l	99
19) Methyl tert-butyl Ether	5.428	73	98543	22.26	ug/l	99
20) Methylene Chloride	4.922	84	119961	26.55	ug/l	96
21) trans-1,2-Dichloroethene	5.428	96	87568	21.74	ug/l	98
22) Diisopropyl ether	6.312	45	202665	21.72	ug/l	95
23) Vinyl Acetate	6.257	43	685078	109.09	ug/l	99
24) 1,1-Dichloroethane	6.214	63	157033	21.73	ug/l	99
25) 2-Butanone	7.171	43	106007	113.67	ug/l	98
26) 2,2-Dichloropropane	7.171	77	81421	20.91	ug/l	99
27) cis-1,2-Dichloroethene	7.171	96	97061	21.71	ug/l	99
28) Bromochloromethane	7.513	49	65706	22.35	ug/l	99
29) Tetrahydrofuran	7.531	42	62019	113.71	ug/l	97
30) Chloroform	7.677	83	160832	21.89	ug/l	98
31) Cyclohexane	7.958	56	129461	21.42	ug/l	94
32) 1,1,1-Trichloroethane	7.872	97	119155	21.84	ug/l	99
36) 1,1-Dichloropropene	8.086	75	127744	21.97	ug/l	99
37) Ethyl Acetate	7.257	43	51524	22.91	ug/l	99
38) Carbon Tetrachloride	8.067	117	110226	21.51	ug/l	96
39) Methylcyclohexane	9.335	83	137765	21.42	ug/l	99
40) Benzene	8.323	78	357385	21.99	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	28003	22.80	ug/l	94
42) 1,2-Dichloroethane	8.403	62	106920	22.19	ug/l	99
43) Isopropyl Acetate	8.427	43	95035	22.66	ug/l	100
44) Trichloroethene	9.092	130	91512	21.84	ug/l	96
45) 1,2-Dichloropropane	9.372	63	86606	22.03	ug/l	100
46) Dibromomethane	9.457	93	47012	22.03	ug/l	98
47) Bromodichloromethane	9.646	83	114545	21.59	ug/l	96
48) Methyl methacrylate	9.433	41	43017	22.33	ug/l	98
49) 1,4-Dioxane	9.457	88	11880	488.30	ug/l #	92
51) 4-Methyl-2-Pentanone	10.207	43	248533	114.36	ug/l	98
52) Toluene	10.390	92	224498	21.79	ug/l	99
53) t-1,3-Dichloropropene	10.604	75	113217	21.69	ug/l	99
54) cis-1,3-Dichloropropene	10.073	75	134586	21.65	ug/l	98
55) 1,1,2-Trichloroethane	10.786	97	65302	22.14	ug/l	98
56) Ethyl methacrylate	10.646	69	80547	21.74	ug/l	97
57) 1,3-Dichloropropane	10.933	76	117626	22.29	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.927	63	218839	114.21	ug/l	99
59) 2-Hexanone	10.969	43	163244	113.01	ug/l	99
60) Dibromochloromethane	11.128	129	71345	21.61	ug/l	100
61) 1,2-Dibromoethane	11.238	107	63424	22.35	ug/l	100
64) Tetrachloroethene	10.860	164	74402	21.45	ug/l	93
65) Chlorobenzene	11.658	112	238225	21.93	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.731	131	81019	21.85	ug/l	96
67) Ethyl Benzene	11.731	91	439099	21.85	ug/l	100
68) m/p-Xylenes	11.841	106	329529	43.65	ug/l	99
69) o-Xylene	12.164	106	151759	21.56	ug/l	98
70) Styrene	12.183	104	259218	21.70	ug/l	99
71) Bromoform	12.347	173	37001	19.88	ug/l #	97
73) Isopropylbenzene	12.463	105	419409	21.67	ug/l	100
74) N-amyl acetate	12.274	43	88414	22.15	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.713	83	77979	22.52	ug/l	99
76) 1,2,3-Trichloropropane	12.768	75	49165m	19.72	ug/l	
77) Bromobenzene	12.743	156	90368	21.18	ug/l	94
78) n-propylbenzene	12.804	91	512501	21.66	ug/l	99
79) 2-Chlorotoluene	12.890	91	293785	21.79	ug/l	98
80) 1,3,5-Trimethylbenzene	12.945	105	360981	21.97	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.512	75	20947	20.48	ug/l	96
82) 4-Chlorotoluene	12.987	91	308343	21.55	ug/l	99
83) tert-Butylbenzene	13.207	119	298117	21.53	ug/l	100
84) 1,2,4-Trimethylbenzene	13.249	105	352315	21.61	ug/l	99
85) sec-Butylbenzene	13.384	105	452407	22.03	ug/l	98
86) p-Isopropyltoluene	13.493	119	384004	21.59	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	190138	21.82	ug/l	98
88) 1,4-Dichlorobenzene	13.579	146	191056	22.24	ug/l	99
89) n-Butylbenzene	13.822	91	374260	21.40	ug/l	99
90) Hexachloroethane	14.091	117	56735	20.35	ug/l	93
91) 1,2-Dichlorobenzene	13.865	146	166343	21.58	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.481	75	11770	21.29	ug/l	96
93) 1,2,4-Trichlorobenzene	15.127	180	110741	21.46	ug/l	100
94) Hexachlorobutadiene	15.231	225	61774	20.72	ug/l	96
95) Naphthalene	15.365	128	206502	21.96	ug/l	99
96) 1,2,3-Trichlorobenzene	15.548	180	95778	21.43	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TIC: VW019054.D\data.ms

Abundance

Time-->

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

1500000
1450000
1400000
1350000
1300000
1250000
1200000
1150000
1100000
1050000
1000000
950000
900000
850000
800000
750000
700000
650000
600000
550000
500000
450000
400000
350000
300000
250000
200000
150000
100000
50000
0

Chlorodifluoromethane, T
Chloromethane, P
Vinyl Chloride, C
Bromomethane, T
Chloroethane, I
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
1,1,2-Trichloroethane, T
Acetone
Methyl Iodide, I
Carbon Disulfide, T
Methyl Acetate, T
Methylene Chloride, T
Tert butyl alcohol, T
Acrylonitrile, T
Methyl 2-Chloroethyl Ether, T
1,1-Dichloroethane, P
Vinyl Acetate, T
Diisopropyl ether, T
Ethyl Acetate, T
Methyl Chloroform, T
Chloroform, C
1,1,1-Trichloroethane, S
Cyclohexanediol, T
1,2-Dichloroethane, T
Isopropyl Chloride, T
1,4-Difluorobenzene, I
Trichloroethene, TM
Methyl Chloroform, T
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
4-Methyl-2-Pentanone, T
Toluene, CM
2-Chloroethyl Vinyl ether, T
Ethyl methylchloropropene, T
1,1,2-Trichloroethane, T
1,2-Dichloroethane, T
1,3-Dichloropropane, I
Dibromochloromethane, I
1,2-Dibromobutane, I
Chlorobenzene, PM
Chlorobenzene-d5, I
m-Xylenes, T
p-Xylenes, T
Styrene, T
n-Propylbenzene, T
Isopropylbenzene, T
4-Bromofluorobenzene, S
Bromobenzene, T
1,2,3-Trichloropropane, P
1,2,3-Trichloropropane, I
2-Chlorobutane, T
1,3,5-Trimethylbenzene, T
tert-Butylbenzene, T
sec-Butylbenzene, T
1,4-Dichlorobenzene, I
n-Butylbenzene, T
1,2-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2,4-Trichlorobenzene, T
1,2,4-Trichlorobenzene, I
Naphthalene, T
Hexachlorobutadiene, I
1,2,3-Trichlorobenzene, T