

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052221\
 Data File : VW019058.D
 Acq On : 21 May 2021 18:55
 Operator : SY/VA
 Sample : M2262-02 5PPBLOQ
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT2-2021

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:48:23 PM

Quant Time: May 22 03:51:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W051921S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 22 03:50:37 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.951	168	340880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.841	114	584558	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.633	117	524130	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	257228	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	212730	61.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.36%	
35) Dibromofluoromethane	7.884	113	187139	57.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.00%	
50) Toluene-d8	10.323	98	742871	57.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.98%	
62) 4-Bromofluorobenzene	12.621	95	258083	55.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.78%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.013	85	10014	4.36	ug/l	98
3) Chloromethane	2.214	50	13302	5.22	ug/l	100
4) Vinyl Chloride	2.361	62	19031	5.09	ug/l	98
5) Bromomethane	2.781	94	16050	5.12	ug/l	94
6) Chloroethane	2.922	64	12435	4.84	ug/l	98
7) Trichlorofluoromethane	3.263	101	7822	3.80	ug/l	100
8) Diethyl Ether	3.684	74	8894	4.97	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.074	101	16626	4.99	ug/l	99
10) Methyl Iodide	4.281	142	23951	4.90	ug/l	98
11) Tert butyl alcohol	5.183	59	8672	42.84	ug/l #	84
12) 1,1-Dichloroethene	4.049	96	16544	4.87	ug/l	88
13) Acrolein	3.897	56	4545	19.79	ug/l	95
14) Allyl chloride	4.677	41	20153	4.56	ug/l	98
15) Acrylonitrile	5.378	53	17083	25.45	ug/l	99
16) Acetone	4.129	43	17955	32.85	ug/l	95
17) Carbon Disulfide	4.391	76	42703	4.60	ug/l	97
18) Methyl Acetate	4.677	43	9666	6.01	ug/l	98
19) Methyl tert-butyl Ether	5.427	73	21883	5.13	ug/l	91
20) Methylene Chloride	4.915	84	73015	14.89	ug/l	97
21) trans-1,2-Dichloroethene	5.427	96	19217	4.95	ug/l	96
22) Diisopropyl ether	6.311	45	43784	4.87	ug/l	91
23) Vinyl Acetate	6.262	43	136966	22.65	ug/l	96
24) 1,1-Dichloroethane	6.220	63	35968	5.17	ug/l	99
25) 2-Butanone	7.177	43	24956	27.79	ug/l	97
26) 2,2-Dichloropropane	7.165	77	19967	5.33	ug/l	94
27) cis-1,2-Dichloroethene	7.171	96	21357	4.96	ug/l	95
28) Bromochloromethane	7.512	49	14998	5.30	ug/l	97
29) Tetrahydrofuran	7.530	42	13867	26.41	ug/l	98
30) Chloroform	7.683	83	36211	5.12	ug/l	98
31) Cyclohexane	7.951	56	34056	5.85	ug/l #	82
32) 1,1,1-Trichloroethane	7.878	97	26355	5.02	ug/l	96
36) 1,1-Dichloropropene	8.085	75	28403	4.88	ug/l	99
37) Ethyl Acetate	7.262	43	13072	5.80	ug/l	98
38) Carbon Tetrachloride	8.067	117	23131	4.51	ug/l	91
39) Methylcyclohexane	9.335	83	30662	4.76	ug/l	97
40) Benzene	8.323	78	81000	4.98	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	5814	4.73	ug/l	98
42) 1,2-Dichloroethane	8.402	62	24605	5.10	ug/l	100
43) Isopropyl Acetate	8.427	43	21807	5.19	ug/l	98
44) Trichloroethene	9.091	130	20655	4.92	ug/l	97
45) 1,2-Dichloropropane	9.372	63	19568	4.97	ug/l	96
46) Dibromomethane	9.457	93	10347	4.84	ug/l	97
47) Bromodichloromethane	9.646	83	25137	4.73	ug/l	98
48) Methyl methacrylate	9.439	41	8976	4.65	ug/l	98
49) 1,4-Dioxane	9.463	88	2677	109.89	ug/l #	88
51) 4-Methyl-2-Pentanone	10.213	43	55903	25.69	ug/l	100
52) Toluene	10.390	92	50688	4.91	ug/l	99
53) t-1,3-Dichloropropene	10.609	75	22543	4.31	ug/l	97
54) cis-1,3-Dichloropropene	10.073	75	28111	4.52	ug/l	98
55) 1,1,2-Trichloroethane	10.786	97	14616	4.95	ug/l	94
56) Ethyl methacrylate	10.646	69	16654	4.49	ug/l	96
57) 1,3-Dichloropropane	10.932	76	26886	5.09	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.926	63	45333	23.63	ug/l	98
59) 2-Hexanone	10.969	43	34497	23.85	ug/l	98
60) Dibromochloromethane	11.127	129	15112	4.57	ug/l	98
61) 1,2-Dibromoethane	11.231	107	13877	4.88	ug/l	98
64) Tetrachloroethene	10.865	164	16984	4.99	ug/l	95
65) Chlorobenzene	11.658	112	52473	4.92	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.731	131	17045	4.68	ug/l	98
67) Ethyl Benzene	11.731	91	94767	4.80	ug/l	99
68) m/p-Xylenes	11.841	106	68988	9.31	ug/l	98
69) o-Xylene	12.170	106	32725	4.74	ug/l	97
70) Styrene	12.182	104	52627	4.49	ug/l	99
71) Bromoform	12.347	173	7809	4.28	ug/l #	99
73) Isopropylbenzene	12.462	105	86875	4.61	ug/l	99
74) N-amyl acetate	12.273	43	17947	4.61	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.712	83	17990	5.33	ug/l	96
76) 1,2,3-Trichloropropane	12.767	75	11700m	4.82	ug/l	
77) Bromobenzene	12.743	156	20559	4.95	ug/l	97
78) n-propylbenzene	12.804	91	110453	4.79	ug/l	99
79) 2-Chlorotoluene	12.889	91	62486	4.76	ug/l	98
80) 1,3,5-Trimethylbenzene	12.944	105	73745	4.61	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.511	75	4245	4.26	ug/l	93
82) 4-Chlorotoluene	12.987	91	65459	4.70	ug/l	99
83) tert-Butylbenzene	13.206	119	61432	4.55	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	73434	4.62	ug/l	98
85) sec-Butylbenzene	13.383	105	93090	4.65	ug/l	99
86) p-Isopropyltoluene	13.499	119	77789	4.49	ug/l	99
87) 1,3-Dichlorobenzene	13.499	146	41677	4.91	ug/l	99
88) 1,4-Dichlorobenzene	13.578	146	42916	5.13	ug/l	94
89) n-Butylbenzene	13.822	91	78347	4.60	ug/l	99
90) Hexachloroethane	14.090	117	12201	4.49	ug/l	91
91) 1,2-Dichlorobenzene	13.871	146	37120	4.94	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.480	75	2670	4.96	ug/l	89
93) 1,2,4-Trichlorobenzene	15.133	180	24610	4.89	ug/l	95
94) Hexachlorobutadiene	15.230	225	13286	4.58	ug/l	92
95) Naphthalene	15.364	128	42964	4.69	ug/l	99
96) 1,2,3-Trichlorobenzene	15.559	180	21420	4.92	ug/l	94

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

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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5/24/2021 3:48:23 PM

Abundance

TIC: VW019058.D\data.ms

Time-->

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

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

Dichlorodifluoromethane, T

Chloromethane P

Vinyl Chloride, C

Bromomethane, T

Chloroethane, I

Trichlorofluoromethane, T

Diethyl Ether, T

Acrolein, T

Chloromethane, T

Acetone, T

Methyl iodide, T

Carbon Disulfide, T

Methyl acetate, T

Methylene Chloride, T

Tert butyl alcohol, T

Acrylonitrile, T

Diethyl ether, T

1,1-Dichloroethane, P

1,1-Dichloroethane, T

Ethyl Acetate, T

2,2,5-Trichloropentane, T

Methylcyclohexane, T

Chloroform, C

1,1,1-Trichloroethane, T

Carbonyl sulfide, T

1,1,1-Trichloroethane, S

1,1,1-Trichloroethane, I

Benzene, TM

1,1,1-Trichloroethane-d4, S

1,4-Difluorobenzene, I

Trichloroethene, TM

1,2-Dichlorobenzene, T

Methylcyclohexane, T

Bromodichloromethane, T

2-Chloroethyl Vinyl ether, T

cis-1,3-Dichloropropene, T

4-Methylacetone, T

Toluene, CM

1,1,1-Trichloroethene, T

1,1,1-Trichloroethane, T

1,2-Dichloroethane, T

1,2-Dichloroethane, I

1,2-Dichloroethane, T

Chlorobenzene-d5, I

Chlorobenzene-d4, I

Chlorobenzene, T

m,p-Xylenes, I

Bromobenzene, T

Styrene, T

trans-1,4-Dichlorobenzene, T

trans-1,4-Dichlorobenzene, T

1,1,2,2-Tetrachloroethane, T

1,1,2,2-Tetrachloroethane, T

4-Chlorobenzonitrile, T

tert-Butylbenzene, T

sec-Butylbenzene, T

1,4-Dichlorobenzene, T

1,4-Dichlorobenzene, T

1,2-Dichlorobenzene, T

Hexachloroethane, T

1,2-Dibromo-3-Chloropropane, T

1,2,4-Trichlorobenzene, T

1,2,4-Trichlorobenzene, T

Naphthalene, I

1,2,3-Trichlorobenzene, T