

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031421\
 Data File : VW018326.D
 Acq On : 12 Mar 2021 19:13
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 3/15/2021 12:40:27 PM

Quant Time: Mar 13 04:35:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W031421S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 13 04:29:58 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.952	168	130217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	223074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.628	117	197638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	87810	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	155966	138.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	277.18%	
35) Dibromofluoromethane	7.891	113	148268	104.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	209.66%	
50) Toluene-d8	10.323	98	537827	100.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	201.48%	
62) 4-Bromofluorobenzene	12.615	95	197175	100.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	201.92%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.014	85	116831	124.54	ug/l	96
3) Chloromethane	2.221	50	94912	114.19	ug/l	98
4) Vinyl Chloride	2.367	62	144083	118.24	ug/l	95
5) Bromomethane	2.782	94	113346	131.23	ug/l	91
6) Chloroethane	2.928	64	90175	126.98	ug/l	98
7) Trichlorofluoromethane	3.263	101	157215	172.67	ug/l	95
8) Diethyl Ether	3.684	74	72157	121.75	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.068	101	159385	130.94	ug/l	98
10) Methyl Iodide	4.275	142	215680	114.16	ug/l	99
11) Tert butyl alcohol	5.159	59	35460	685.58	ug/l	100
12) 1,1-Dichloroethene	4.044	96	154995	125.90	ug/l	99
13) Acrolein	3.891	56	44665	593.58	ug/l	98
14) Allyl chloride	4.672	41	175950	117.70	ug/l	99
15) Acrylonitrile	5.367	53	144890	634.58	ug/l	99
16) Acetone	4.117	43	113609	651.52	ug/l	99
17) Carbon Disulfide	4.391	76	417818	123.82	ug/l	99
18) Methyl Acetate	4.666	43	60740	128.80	ug/l	100
19) Methyl tert-butyl Ether	5.428	73	180653	136.37	ug/l	99
20) Methylene Chloride	4.916	84	154844	108.47	ug/l	98
21) trans-1,2-Dichloroethene	5.428	96	172014	125.03	ug/l	100
22) Diisopropyl ether	6.312	45	352789	117.53	ug/l	95
23) Vinyl Acetate	6.257	43	1122528	627.12	ug/l	99
24) 1,1-Dichloroethane	6.220	63	272861	126.45	ug/l	98
25) 2-Butanone	7.171	43	167447	629.57	ug/l	99
26) 2,2-Dichloropropane	7.165	77	173079	143.24	ug/l	100
27) cis-1,2-Dichloroethene	7.171	96	187444	125.70	ug/l	99
28) Bromochloromethane	7.513	49	97406	118.50	ug/l	96
29) Tetrahydrofuran	7.531	42	106920	611.96	ug/l	98
30) Chloroform	7.677	83	308539	132.99	ug/l	96
31) Cyclohexane	7.958	56	235034	116.63	ug/l	98
32) 1,1,1-Trichloroethane	7.872	97	272334	144.08	ug/l	99
36) 1,1-Dichloropropene	8.086	75	245249	113.58	ug/l	99
37) Ethyl Acetate	7.251	43	77804	105.79	ug/l	97
38) Carbon Tetrachloride	8.067	117	266307	122.25	ug/l	95
39) Methylcyclohexane	9.335	83	303064	110.44	ug/l	96
40) Benzene	8.323	78	631232	105.38	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	44748	104.87	ug/l	96
42) 1,2-Dichloroethane	8.403	62	205135	124.82	ug/l	99
43) Isopropyl Acetate	8.421	43	152260	111.36	ug/l	99
44) Trichloroethene	9.092	130	183889	101.47	ug/l	98
45) 1,2-Dichloropropane	9.366	63	144751	104.46	ug/l	98
46) Dibromomethane	9.457	93	90001	115.14	ug/l	98
47) Bromodichloromethane	9.646	83	236229	118.48	ug/l	95
48) Methyl methacrylate	9.433	41	74472	107.88	ug/l	98
49) 1,4-Dioxane	9.445	88	23757	2335.16	ug/l	96
51) 4-Methyl-2-Pentanone	10.207	43	381222	547.84	ug/l	98
52) Toluene	10.384	92	421118	106.32	ug/l	99
53) t-1,3-Dichloropropene	10.604	75	222588	118.22	ug/l	100
54) cis-1,3-Dichloropropene	10.073	75	253389	111.15	ug/l	98
55) 1,1,2-Trichloroethane	10.786	97	122667	109.66	ug/l	96
56) Ethyl methacrylate	10.646	69	148223	116.44	ug/l	97
57) 1,3-Dichloropropane	10.933	76	205354	109.11	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.927	63	366868	556.58	ug/l	100
59) 2-Hexanone	10.969	43	262700	559.41	ug/l	99
60) Dibromochloromethane	11.128	129	151444	107.25	ug/l	94
61) 1,2-Dibromoethane	11.238	107	120235	108.40	ug/l	97
64) Tetrachloroethene	10.866	164	141404	95.83	ug/l	93
65) Chlorobenzene	11.658	112	449524	105.64	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.731	131	163915	109.46	ug/l	98
67) Ethyl Benzene	11.731	91	846747	113.75	ug/l	100
68) m/p-Xylenes	11.841	106	630381	218.46	ug/l	99
69) o-Xylene	12.164	106	286441	106.86	ug/l	100
70) Styrene	12.176	104	502364	111.83	ug/l	98
71) Bromoform	12.347	173	82965	104.97	ug/l #	97
73) Isopropylbenzene	12.463	105	843663	130.41	ug/l	100
74) N-amyl acetate	12.274	43	137227	129.25	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.713	83	131233	126.44	ug/l	98
76) 1,2,3-Trichloropropane	12.768	75	88650m	112.44	ug/l	
77) Bromobenzene	12.750	156	175926	114.17	ug/l	98
78) n-propylbenzene	12.804	91	974360	130.13	ug/l	99
79) 2-Chlorotoluene	12.890	91	547580	127.29	ug/l	95
80) 1,3,5-Trimethylbenzene	12.945	105	712801	130.01	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.512	75	40119	130.58	ug/l	96
82) 4-Chlorotoluene	12.987	91	576084	127.04	ug/l	97
83) tert-Butylbenzene	13.207	119	605343	126.32	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	704629	128.59	ug/l	99
85) sec-Butylbenzene	13.384	105	835932	128.76	ug/l	100
86) p-Isopropyltoluene	13.499	119	767774	125.51	ug/l	98
87) 1,3-Dichlorobenzene	13.499	146	345810	114.40	ug/l	97
88) 1,4-Dichlorobenzene	13.573	146	331665	111.02	ug/l	96
89) n-Butylbenzene	13.823	91	726488	130.28	ug/l	97
90) Hexachloroethane	14.091	117	137534	130.49	ug/l	92
91) 1,2-Dichlorobenzene	13.871	146	297195	112.55	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.481	75	24270	147.20	ug/l	98
93) 1,2,4-Trichlorobenzene	15.133	180	203110	101.65	ug/l	95
94) Hexachlorobutadiene	15.237	225	117314	94.28	ug/l	93
95) Naphthalene	15.365	128	410766	122.59	ug/l	99
96) 1,2,3-Trichlorobenzene	15.548	180	175058	102.68	ug/l	97

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

