

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092120\
 Data File : VD066780.D
 Acq On : 21 Sep 2020 13:57
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/22/2020 2:09:45 PM

Quant Time: Sep 22 01:58:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	450789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	707471	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	647783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	297064	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	223161	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	
35) Dibromofluoromethane	7.91	113	227513	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
50) Toluene-d8	10.34	98	809703	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
62) 4-Bromofluorobenzene	12.63	95	281481	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	174094	52.374	ug/l	99
3) Chloromethane	2.21	50	200619	40.897	ug/l	100
4) Vinyl Chloride	2.35	62	216390	42.148	ug/l	94
5) Bromomethane	2.77	94	145030	39.822	ug/l	98
6) Chloroethane	2.93	64	134218	41.965	ug/l	90
7) Trichlorofluoromethane	3.27	101	440226	49.644	ug/l	98
8) Diethyl Ether	3.71	74	114122	51.394	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	255630	52.455	ug/l	97
10) Methyl Iodide	4.30	142	280426	60.648	ug/l	99
11) Tert butyl alcohol	5.23	59	73529	229.959	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	231803	51.390	ug/l	93
13) Acrolein	3.93	56	87270	257.271	ug/l	95
14) Allyl chloride	4.72	41	363395	50.166	ug/l	96
15) Acrylonitrile	5.42	53	257225	264.435	ug/l	98
16) Acetone	4.16	43	267232	272.844	ug/l	90
17) Carbon Disulfide	4.41	76	723159	51.021	ug/l	98
18) Methyl Acetate	4.71	43	116293	56.066	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	550916	54.834	ug/l	99
20) Methylene Chloride	4.96	84	282991	54.398	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	275578	52.439	ug/l	96
22) Diisopropyl ether	6.36	45	749678	50.933	ug/l	98
23) Vinyl Acetate	6.30	43	2060186	251.628	ug/l	96
24) 1,1-Dichloroethane	6.26	63	464798	49.763	ug/l	97
25) 2-Butanone	7.21	43	316691	248.315	ug/l	97
26) 2,2-Dichloropropane	7.21	77	439483	50.883	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	298840	51.980	ug/l	98
28) Bromochloromethane	7.54	49	150267	43.072	ug/l	91
29) Tetrahydrofuran	7.56	42	206518	264.662	ug/l	94
30) Chloroform	7.71	83	505351	50.837	ug/l	97
31) Cyclohexane	7.98	56	422877	49.775	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	475627	52.287	ug/l	98
36) 1,1-Dichloropropene	8.11	75	390631	53.704	ug/l	98
37) Ethyl Acetate	7.29	43	149008	54.112	ug/l	97
38) Carbon Tetrachloride	8.09	117	420149	54.392	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	469644	56.448	ug/l	99
40) Benzene	8.35	78	1066266	54.184	ug/l	100
41) Methacrylonitrile	7.53	41	64644m	44.343	ug/l	
42) 1,2-Dichloroethane	8.42	62	307334	50.411	ug/l	97
43) Isopropyl Acetate	8.45	43	280715	54.160	ug/l	99
44) Trichloroethene	9.11	130	300045	57.027	ug/l	97
45) 1,2-Dichloropropane	9.38	63	264090	54.285	ug/l	99
46) Dibromomethane	9.47	93	146457	54.786	ug/l	97
47) Bromodichloromethane	9.66	83	384359	52.764	ug/l	99
48) Methyl methacrylate	9.45	41	140345	53.234	ug/l	92
49) 1,4-Dioxane	9.46	88	35928	1254.640	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	738631	276.807	ug/l	98
52) Toluene	10.40	92	705981	56.002	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	348207	53.509	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	403851	52.250	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	196836	55.846	ug/l	95
56) Ethyl methacrylate	10.66	69	239258	59.818	ug/l	96
57) 1,3-Dichloropropane	10.94	76	330198	53.383	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	450567	256.489	ug/l	98
59) 2-Hexanone	10.98	43	510135	284.525	ug/l	97
60) Dibromochloromethane	11.14	129	258792	56.350	ug/l	99
61) 1,2-Dibromoethane	11.24	107	190725	56.410	ug/l	98
64) Tetrachloroethene	10.87	164	247521	55.975	ug/l	95
65) Chlorobenzene	11.67	112	721745	53.814	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	267601	54.077	ug/l	98
67) Ethyl Benzene	11.74	91	1316658	54.199	ug/l	99
68) m/p-Xylenes	11.85	106	1004509	109.405	ug/l	98
69) o-Xylene	12.18	106	454563	56.024	ug/l	96
70) Styrene	12.19	104	795332	55.693	ug/l	99
71) Bromoform	12.36	173	139550	56.192	ug/l #	100
73) Isopropylbenzene	12.48	105	1260587	56.843	ug/l	100
74) N-amyl acetate	12.29	43	259060	55.378	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	206020	54.671	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	127851m	50.281	ug/l	
77) Bromobenzene	12.76	156	281059	54.988	ug/l	96
78) n-propylbenzene	12.82	91	1519410	56.204	ug/l	98
79) 2-Chlorotoluene	12.91	91	841173	55.029	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	1053956	56.209	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	55665	47.246	ug/l	92
82) 4-Chlorotoluene	13.00	91	881379	54.530	ug/l	100
83) tert-Butylbenzene	13.23	119	886737	57.377	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	1041795	55.595	ug/l	98
85) sec-Butylbenzene	13.40	105	1244923	56.189	ug/l	100
86) p-Isopropyltoluene	13.52	119	1150062	57.096	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	542765	55.349	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	531908	54.471	ug/l	98
89) n-Butylbenzene	13.84	91	1088711	56.842	ug/l	99
90) Hexachloroethane	14.11	117	219205	52.975	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	463405	55.151	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	34008	55.828	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	309298	60.861	ug/l	99
94) Hexachlorobutadiene	15.27	225	182306	59.541	ug/l	99
95) Naphthalene	15.40	128	572653	64.493	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	267870	60.346	ug/l	97

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

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