

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101920\
 Data File : VD067311.D
 Acq On : 19 Oct 2020 16:45
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/20/2020 4:51:09 PM

Quant Time: Oct 20 01:56:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	357045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	539971	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	512649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	249080	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	173720	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
35) Dibromofluoromethane	7.91	113	180909	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	10.34	98	652037	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.64	95	229923	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	125155	43.063	ug/l	97
3) Chloromethane	2.21	50	99238	44.164	ug/l	98
4) Vinyl Chloride	2.35	62	110788	44.935	ug/l	96
5) Bromomethane	2.77	94	88444	51.627	ug/l	97
6) Chloroethane	2.93	64	69048	44.969	ug/l	97
7) Trichlorofluoromethane	3.27	101	284238	45.783	ug/l	95
8) Diethyl Ether	3.70	74	69443	48.882	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	156932	47.577	ug/l	98
10) Methyl Iodide	4.30	142	166426	54.697	ug/l	100
11) Tert butyl alcohol	5.22	59	44873	239.343	ug/l	99
12) 1,1-Dichloroethene	4.07	96	140960	47.836	ug/l	96
13) Acrolein	3.93	56	49852	234.644	ug/l	96
14) Allyl chloride	4.71	41	173106	51.297	ug/l	97
15) Acrylonitrile	5.43	53	123203	259.908	ug/l	98
16) Acetone	4.16	43	109688	218.953	ug/l	97
17) Carbon Disulfide	4.41	76	382779	45.566	ug/l	99
18) Methyl Acetate	4.71	43	59707	52.254	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	312271	53.294	ug/l	97
20) Methylene Chloride	4.97	84	162929	50.850	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	168205	49.602	ug/l	94
22) Diisopropyl ether	6.36	45	336657	54.612	ug/l	93
23) Vinyl Acetate	6.30	43	989647	282.180	ug/l	99
24) 1,1-Dichloroethane	6.26	63	272141	51.572	ug/l	98
25) 2-Butanone	7.21	43	152215	266.552	ug/l	94
26) 2,2-Dichloropropane	7.21	77	267444	49.171	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	189088	50.878	ug/l	98
28) Bromochloromethane	7.55	49	100500	55.837	ug/l #	96
29) Tetrahydrofuran	7.56	42	89402	281.638	ug/l	98
30) Chloroform	7.71	83	316325	50.180	ug/l	90
31) Cyclohexane	7.98	56	194646	47.244	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	305024	49.316	ug/l	98
36) 1,1-Dichloropropene	8.11	75	226570	49.506	ug/l	99
37) Ethyl Acetate	7.29	43	72278	53.678	ug/l	97
38) Carbon Tetrachloride	8.10	117	279022	47.701	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	241689	50.515	ug/l	94
40) Benzene	8.35	78	644394	51.324	ug/l	96
41) Methacrylonitrile	7.52	41	35790m	49.186	ug/l	
42) 1,2-Dichloroethane	8.43	62	194316	49.454	ug/l	99
43) Isopropyl Acetate	8.46	43	140913	52.740	ug/l	98
44) Trichloroethene	9.11	130	201728	50.182	ug/l	94
45) 1,2-Dichloropropane	9.39	63	147759	50.779	ug/l	98
46) Dibromomethane	9.48	93	93903	51.795	ug/l	93
47) Bromodichloromethane	9.67	83	249163	51.296	ug/l	97
48) Methyl methacrylate	9.46	41	72264	55.655	ug/l	91
49) 1,4-Dioxane	9.47	88	17811	1015.658	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	366517	275.031	ug/l	98
52) Toluene	10.41	92	437979	51.217	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	219417	51.423	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	256541	51.373	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	127813	51.700	ug/l	97
56) Ethyl methacrylate	10.66	69	143501	55.968	ug/l	97
57) 1,3-Dichloropropane	10.95	76	205316	52.185	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	365680	278.017	ug/l	98
59) 2-Hexanone	10.99	43	243981	267.925	ug/l	96
60) Dibromochloromethane	11.14	129	180935	50.185	ug/l	99
61) 1,2-Dibromoethane	11.25	107	124542	51.099	ug/l	99
64) Tetrachloroethene	10.88	164	176254	47.453	ug/l	97
65) Chlorobenzene	11.67	112	483530	49.186	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	195261	49.976	ug/l	99
67) Ethyl Benzene	11.75	91	856625	50.834	ug/l	97
68) m/p-Xylenes	11.86	106	650152	100.189	ug/l	99
69) o-Xylene	12.18	106	300652	50.033	ug/l	100
70) Styrene	12.20	104	523890	50.645	ug/l	100
71) Bromoform	12.37	173	105928	50.466	ug/l #	99
73) Isopropylbenzene	12.48	105	852164	53.906	ug/l	100
74) N-amyl acetate	12.30	43	133061	55.731	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	134051	55.343	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	96384m	55.831	ug/l	
77) Bromobenzene	12.77	156	200670	50.916	ug/l	95
78) n-propylbenzene	12.83	91	970714	52.998	ug/l	100
79) 2-Chlorotoluene	12.91	91	546248	51.427	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	721994	52.557	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	40907	53.734	ug/l	93
82) 4-Chlorotoluene	13.01	91	577110	51.192	ug/l	99
83) tert-Butylbenzene	13.23	119	627071	54.039	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	729314	53.715	ug/l	99
85) sec-Butylbenzene	13.41	105	840596	52.793	ug/l	100
86) p-Isopropyltoluene	13.53	119	803234	53.446	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	381800	50.331	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	385844	51.339	ug/l	99
89) n-Butylbenzene	13.85	91	722096	54.615	ug/l	99
90) Hexachloroethane	14.12	117	136140	51.910	ug/l	92
91) 1,2-Dichlorobenzene	13.90	146	338895	51.139	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21579	49.039	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	248013	55.508	ug/l	98
94) Hexachlorobutadiene	15.28	225	149223	53.782	ug/l	99
95) Naphthalene	15.41	128	430966	58.749	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	215942	55.944	ug/l	97

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

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