

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110420\
 Data File : VD067509.D
 Acq On : 04 Nov 2020 09:55
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 7:01:04 PM

Quant Time: Nov 05 01:04:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	320735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	466268	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	419042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	208276	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	126431	45.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.16%	
35) Dibromofluoromethane	7.92	113	133424	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
50) Toluene-d8	10.34	98	469411	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
62) 4-Bromofluorobenzene	12.64	95	162733	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	135245	52.302	ug/l	97
3) Chloromethane	2.21	50	94119	47.124	ug/l	99
4) Vinyl Chloride	2.36	62	107309	48.190	ug/l	97
5) Bromomethane	2.78	94	89041	49.334	ug/l	94
6) Chloroethane	2.93	64	68347	49.785	ug/l	99
7) Trichlorofluoromethane	3.28	101	276653	47.983	ug/l	97
8) Diethyl Ether	3.71	74	53054	45.666	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	143696	49.374	ug/l	99
10) Methyl Iodide	4.30	142	150771	48.335	ug/l	99
11) Tert butyl alcohol	5.22	59	29682	245.212	ug/l	96
12) 1,1-Dichloroethene	4.07	96	131021	48.943	ug/l	94
13) Acrolein	3.92	56	30692	246.956	ug/l	92
14) Allyl chloride	4.71	41	141972	49.553	ug/l	98
15) Acrylonitrile	5.41	53	98794	230.043	ug/l	98
16) Acetone	4.16	43	114811	273.572	ug/l	94
17) Carbon Disulfide	4.41	76	392939	47.901	ug/l	99
18) Methyl Acetate	4.72	43	36299	41.856	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	251902	47.705	ug/l	93
20) Methylene Chloride	4.97	84	138134	46.596	ug/l	98
21) trans-1,2-Dichloroethene	5.48	96	150301	48.204	ug/l	97
22) Diisopropyl ether	6.36	45	279585	50.076	ug/l	99
23) Vinyl Acetate	6.31	43	743581	254.429	ug/l	99
24) 1,1-Dichloroethane	6.27	63	222055	48.615	ug/l	98
25) 2-Butanone	7.21	43	104582	233.217	ug/l	98
26) 2,2-Dichloropropane	7.21	77	239168	49.614	ug/l	97
27) cis-1,2-Dichloroethene	7.22	96	160550	49.608	ug/l	99
28) Bromochloromethane	7.56	49	81547	50.192	ug/l	100
29) Tetrahydrofuran	7.56	42	63216	235.342	ug/l	98
30) Chloroform	7.71	83	270094	49.566	ug/l	98
31) Cyclohexane	7.99	56	184410	45.337	ug/l #	84
32) 1,1,1-Trichloroethane	7.91	97	270846	48.173	ug/l	98
36) 1,1-Dichloropropene	8.12	75	199444	49.971	ug/l	100
37) Ethyl Acetate	7.30	43	49268	47.547	ug/l	96
38) Carbon Tetrachloride	8.10	117	264277	50.963	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	232251	49.441	ug/l	97
40) Benzene	8.36	78	543089	50.234	ug/l	100
41) Methacrylonitrile	7.53	41	27791m	44.869	ug/l	
42) 1,2-Dichloroethane	8.43	62	159995	47.898	ug/l	98
43) Isopropyl Acetate	8.46	43	99359	48.486	ug/l	98
44) Trichloroethene	9.12	130	173227	48.731	ug/l	94
45) 1,2-Dichloropropane	9.39	63	116172	49.700	ug/l	96
46) Dibromomethane	9.48	93	72419	48.727	ug/l	98
47) Bromodichloromethane	9.67	83	201952	49.994	ug/l	94
48) Methyl methacrylate	9.46	41	53533	50.595	ug/l	97
49) 1,4-Dioxane	9.47	88	14324	949.389	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	242037	246.961	ug/l	98
52) Toluene	10.41	92	368473	50.885	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	172492	49.858	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	201849	49.106	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	97423	49.543	ug/l	98
56) Ethyl methacrylate	10.67	69	98066	48.292	ug/l	97
57) 1,3-Dichloropropane	10.95	76	153167	48.404	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	238253	251.596	ug/l	99
59) 2-Hexanone	10.99	43	180383	263.233	ug/l	100
60) Dibromochloromethane	11.14	129	140698	48.368	ug/l	97
61) 1,2-Dibromoethane	11.26	107	93222	47.235	ug/l	98
64) Tetrachloroethene	10.88	164	153107	49.335	ug/l	98
65) Chlorobenzene	11.68	112	402692	49.888	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	157128	49.390	ug/l	98
67) Ethyl Benzene	11.75	91	713314	51.642	ug/l	98
68) m/p-Xylenes	11.86	106	546882	101.770	ug/l	99
69) o-Xylene	12.18	106	247150	51.513	ug/l	99
70) Styrene	12.20	104	429279	51.348	ug/l	99
71) Bromoform	12.37	173	78101	48.135	ug/l #	98
73) Isopropylbenzene	12.48	105	693918	51.552	ug/l	100
74) N-amyl acetate	12.29	43	86194	48.664	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	88283	48.098	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	56586m	45.037	ug/l	
77) Bromobenzene	12.77	156	167312	50.613	ug/l	98
78) n-propylbenzene	12.83	91	797000	51.765	ug/l	100
79) 2-Chlorotoluene	12.91	91	455087	52.034	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	595852	51.819	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	28876	46.660	ug/l	96
82) 4-Chlorotoluene	13.01	91	482601	51.450	ug/l	99
83) tert-Butylbenzene	13.23	119	513005	52.642	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	596282	52.096	ug/l	99
85) sec-Butylbenzene	13.41	105	683876	51.984	ug/l	100
86) p-Isopropyltoluene	13.52	119	656611	51.686	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	315924	50.085	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	312142	48.871	ug/l	100
89) n-Butylbenzene	13.85	91	565388	51.525	ug/l	99
90) Hexachloroethane	14.11	117	122816	51.337	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	269046	49.283	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15614	48.046	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	184333	49.749	ug/l	100
94) Hexachlorobutadiene	15.27	225	119551	48.210	ug/l	100
95) Naphthalene	15.41	128	278994	48.791	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	154339	48.642	ug/l	99

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

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