

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120420\
 Data File : VD067887.D
 Acq On : 04 Dec 2020 15:58
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 11:30:57 AM

Quant Time: Dec 05 00:34:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	221763	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	315596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	285730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	150727	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	112229	47.14	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.28%
35) Dibromofluoromethane	7.92	113	100765	47.72	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.44%
50) Toluene-d8	10.34	98	368796	48.51	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.02%
62) 4-Bromofluorobenzene	12.64	95	133426	50.77	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.54%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	92256	47.803	ug/l	99
3) Chloromethane	2.21	50	44133	39.624	ug/l	94
4) Vinyl Chloride	2.35	62	63712	45.419	ug/l	94
5) Bromomethane	2.77	94	66133	52.811	ug/l	99
6) Chloroethane	2.93	64	42091	46.086	ug/l	99
7) Trichlorofluoromethane	3.28	101	198904	46.338	ug/l	96
8) Diethyl Ether	3.71	74	36783	43.966	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	87922	44.919	ug/l	98
10) Methyl Iodide	4.30	142	85253	41.092	ug/l	99
11) Tert butyl alcohol	5.23	59	28324	225.849	ug/l	96
12) 1,1-Dichloroethene	4.07	96	84374	45.915	ug/l	91
13) Acrolein	3.93	56	18068	197.491	ug/l	98
14) Allyl chloride	4.72	41	77638	45.669	ug/l	95
15) Acrylonitrile	5.43	53	62627	215.885	ug/l	99
16) Acetone	4.16	43	64970	220.848	ug/l	100
17) Carbon Disulfide	4.41	76	224432	43.743	ug/l	98
18) Methyl Acetate	4.72	43	22673	40.935	ug/l	91
19) Methyl tert-butyl Ether	5.48	73	187543	47.661	ug/l	98
20) Methylene Chloride	4.97	84	97573	51.310	ug/l	96
21) trans-1,2-Dichloroethene	5.48	96	94740	45.307	ug/l	96
22) Diisopropyl ether	6.37	45	152797	44.689	ug/l	92
23) Vinyl Acetate	6.31	43	453271	238.297	ug/l	98
24) 1,1-Dichloroethane	6.27	63	136913	45.680	ug/l	99
25) 2-Butanone	7.22	43	66584	215.187	ug/l	97
26) 2,2-Dichloropropane	7.21	77	174336	48.778	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	104269	45.588	ug/l	97
28) Bromochloromethane	7.55	49	44199	46.447	ug/l	98
29) Tetrahydrofuran	7.57	42	37151	210.868	ug/l	91
30) Chloroform	7.71	83	182503	45.564	ug/l	99
31) Cyclohexane	7.98	56	103163	41.130	ug/l	92
32) 1,1,1-Trichloroethane	7.91	97	199494	47.182	ug/l	99
36) 1,1-Dichloropropene	8.12	75	125439	45.913	ug/l	99
37) Ethyl Acetate	7.30	43	32064	43.545	ug/l #	93
38) Carbon Tetrachloride	8.10	117	196747	47.595	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	143602	44.354	ug/l	97
40) Benzene	8.36	78	345546	46.222	ug/l	99
41) Methacrylonitrile	7.53	41	19849	57.429	ug/l	93
42) 1,2-Dichloroethane	8.43	62	125719	47.185	ug/l	100
43) Isopropyl Acetate	8.46	43	62797	43.343	ug/l	99
44) Trichloroethene	9.11	130	116760	45.427	ug/l	98
45) 1,2-Dichloropropane	9.40	63	66283	43.199	ug/l	98
46) Dibromomethane	9.48	93	48467	45.432	ug/l	96
47) Bromodichloromethane	9.67	83	140169	46.089	ug/l	94
48) Methyl methacrylate	9.46	41	30951	42.071	ug/l	96
49) 1,4-Dioxane	9.46	88	9906	812.642	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	151678	221.196	ug/l	100
52) Toluene	10.41	92	245481	46.967	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	122325	46.600	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	133326	46.694	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	65581	44.920	ug/l	96
56) Ethyl methacrylate	10.67	69	67150	45.207	ug/l	97
57) 1,3-Dichloropropane	10.95	76	101178	43.751	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	169392	250.613	ug/l	97
59) 2-Hexanone	10.99	43	108181	223.795	ug/l	97
60) Dibromochloromethane	11.14	129	102210	46.444	ug/l	98
61) 1,2-Dibromoethane	11.25	107	62069	43.233	ug/l	100
64) Tetrachloroethene	10.88	164	103507	44.411	ug/l	98
65) Chlorobenzene	11.67	112	278613	47.257	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	114715	47.705	ug/l	96
67) Ethyl Benzene	11.75	91	479784	47.771	ug/l	97
68) m/p-Xylenes	11.86	106	368446	93.038	ug/l	99
69) o-Xylene	12.18	106	172917	49.184	ug/l	98
70) Styrene	12.20	104	298326	48.799	ug/l	99
71) Bromoform	12.36	173	59292	46.581	ug/l #	95
73) Isopropylbenzene	12.48	105	484280	46.721	ug/l	97
74) N-amyl acetate	12.29	43	55939	43.629	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	57825	42.255	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	45038m	41.032	ug/l	
77) Bromobenzene	12.77	156	120213	46.650	ug/l	97
78) n-propylbenzene	12.83	91	531461	46.260	ug/l	99
79) 2-Chlorotoluene	12.91	91	309406	45.779	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	420723	46.880	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	18857	41.095	ug/l #	91
82) 4-Chlorotoluene	13.01	91	326048	45.224	ug/l	100
83) tert-Butylbenzene	13.23	119	363927	47.654	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	417472	46.780	ug/l	100
85) sec-Butylbenzene	13.40	105	451897	44.334	ug/l	98
86) p-Isopropyltoluene	13.52	119	450718	45.118	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	221876	44.635	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	225026	45.249	ug/l	98
89) n-Butylbenzene	13.84	91	373425	44.994	ug/l	98
90) Hexachloroethane	14.11	117	79530	43.121	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	191956	44.524	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12464	43.641	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	137458	45.581	ug/l	98
94) Hexachlorobutadiene	15.27	225	90933	46.209	ug/l	98
95) Naphthalene	15.40	128	222701	45.382	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	118004	45.311	ug/l	99

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

