

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102320\
 Data File : VD067382.D
 Acq On : 23 Oct 2020 16:27
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:37:44 PM

Quant Time: Oct 24 07:48:16 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	336508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	484675	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	448050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	221600	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	150018	44.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.00%	
35) Dibromofluoromethane	7.91	113	157556	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
50) Toluene-d8	10.34	98	569028	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
62) 4-Bromofluorobenzene	12.64	95	198763	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	110215	39.922	ug/l	98
3) Chloromethane	2.21	50	83721	39.532	ug/l	94
4) Vinyl Chloride	2.35	62	94112	40.501	ug/l	99
5) Bromomethane	2.77	94	76530	47.197	ug/l	98
6) Chloroethane	2.92	64	60166	41.576	ug/l	92
7) Trichlorofluoromethane	3.27	101	253485	43.322	ug/l	99
8) Diethyl Ether	3.70	74	58808	43.922	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	131734	42.375	ug/l	97
10) Methyl Iodide	4.30	142	124880	43.547	ug/l	98
11) Tert butyl alcohol	5.22	59	34077	182.019	ug/l #	90
12) 1,1-Dichloroethene	4.07	96	123941	44.627	ug/l	95
13) Acrolein	3.92	56	36847	188.691	ug/l	100
14) Allyl chloride	4.71	41	143099	44.993	ug/l	99
15) Acrylonitrile	5.41	53	100036	223.914	ug/l	98
16) Acetone	4.16	43	106049	224.608	ug/l	95
17) Carbon Disulfide	4.40	76	312177	39.429	ug/l	99
18) Methyl Acetate	4.71	43	47945	44.521	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	252579	45.738	ug/l	96
20) Methylene Chloride	4.96	84	138260	45.293	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	143541	44.913	ug/l	94
22) Diisopropyl ether	6.36	45	273659	47.102	ug/l	97
23) Vinyl Acetate	6.30	43	779349	235.779	ug/l	98
24) 1,1-Dichloroethane	6.26	63	224962	45.233	ug/l	99
25) 2-Butanone	7.21	43	120533	223.954	ug/l	93
26) 2,2-Dichloropropane	7.20	77	238926	46.609	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	159688	45.589	ug/l	98
28) Bromochloromethane	7.54	49	80211	47.284	ug/l #	98
29) Tetrahydrofuran	7.56	42	67978	227.216	ug/l	98
30) Chloroform	7.71	83	276800	46.590	ug/l	93
31) Cyclohexane	7.98	56	157237	40.493	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	271545	46.583	ug/l	98
36) 1,1-Dichloropropene	8.11	75	196450	47.822	ug/l	98
37) Ethyl Acetate	7.29	43	56404	46.668	ug/l	96
38) Carbon Tetrachloride	8.10	117	255341	48.633	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	199651	46.489	ug/l	97
40) Benzene	8.35	78	543475	48.224	ug/l	96
41) Methacrylonitrile	7.53	41	38655	59.185	ug/l #	66
42) 1,2-Dichloroethane	8.43	62	164088	46.526	ug/l	99
43) Isopropyl Acetate	8.45	43	109853	45.806	ug/l	99
44) Trichloroethene	9.11	130	176844	49.011	ug/l	90
45) 1,2-Dichloropropane	9.39	63	121986	46.705	ug/l	98
46) Dibromomethane	9.47	93	75564	46.435	ug/l	97
47) Bromodichloromethane	9.67	83	212115	48.651	ug/l	99
48) Methyl methacrylate	9.46	41	52839	45.337	ug/l	98
49) 1,4-Dioxane	9.47	88	16058	1020.304	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	279659	233.796	ug/l	100
52) Toluene	10.41	92	377410	49.169	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	184660	48.214	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	214200	47.788	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	105847	47.699	ug/l	100
56) Ethyl methacrylate	10.67	69	114830	49.896	ug/l	98
57) 1,3-Dichloropropane	10.95	76	168679	47.765	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	295364	250.178	ug/l	99
59) 2-Hexanone	10.98	43	195631	239.340	ug/l	97
60) Dibromochloromethane	11.14	129	153188	47.336	ug/l	98
61) 1,2-Dibromoethane	11.25	107	101443	46.370	ug/l	98
64) Tetrachloroethene	10.88	164	155547	47.916	ug/l	95
65) Chlorobenzene	11.67	112	410069	47.728	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	168461	49.333	ug/l	99
67) Ethyl Benzene	11.75	91	720810	48.941	ug/l	98
68) m/p-Xylenes	11.86	106	567107	99.992	ug/l	97
69) o-Xylene	12.18	106	255930	48.731	ug/l	97
70) Styrene	12.20	104	442864	48.985	ug/l	99
71) Bromoform	12.37	173	85594	46.658	ug/l #	97
73) Isopropylbenzene	12.48	105	733725	52.170	ug/l	100
74) N-amyl acetate	12.29	43	104187	49.049	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	104662	48.568	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	77661m	50.564	ug/l	
77) Bromobenzene	12.77	156	174653	49.811	ug/l	99
78) n-propylbenzene	12.83	91	831438	51.024	ug/l	100
79) 2-Chlorotoluene	12.91	91	470473	49.786	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	619177	50.662	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	32280	47.660	ug/l	95
82) 4-Chlorotoluene	13.01	91	501254	49.977	ug/l	99
83) tert-Butylbenzene	13.23	119	535849	51.904	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	617749	51.140	ug/l	99
85) sec-Butylbenzene	13.41	105	719114	50.764	ug/l	100
86) p-Isopropyltoluene	13.52	119	678592	50.752	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	328776	48.715	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	326796	48.874	ug/l	100
89) n-Butylbenzene	13.85	91	605686	51.492	ug/l	99
90) Hexachloroethane	14.12	117	117204	50.232	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	283905	48.154	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18042	46.085	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	201007	50.567	ug/l	98
94) Hexachlorobutadiene	15.27	225	126510	51.250	ug/l	98
95) Naphthalene	15.41	128	325931	49.940	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	168613	49.099	ug/l	99

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

