

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
 Data File : VD066015.D
 Acq On : 23 Jul 2020 10:44
 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
 7/24/2020 12:59:47 PM

Quant Time: Jul 24 03:32:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	345533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	488993	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	445556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	231745	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	135411	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
35) Dibromofluoromethane	7.91	113	144743	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.34	98	555824	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.64	95	193531	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	122999	46.906	ug/l	96
3) Chloromethane	2.21	50	100976	47.186	ug/l	98
4) Vinyl Chloride	2.35	62	104340	51.201	ug/l	94
5) Bromomethane	2.77	94	71174	49.624	ug/l	90
6) Chloroethane	2.93	64	61626	50.659	ug/l	93
7) Trichlorofluoromethane	3.27	101	253780	51.199	ug/l	100
8) Diethyl Ether	3.71	74	66393	48.459	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	151334	50.564	ug/l	97
10) Methyl Iodide	4.30	142	171260	55.474	ug/l	97
11) Tert butyl alcohol	5.21	59	39294	218.754	ug/l #	89
12) 1,1-Dichloroethene	4.07	96	146923	51.428	ug/l	91
13) Acrolein	3.91	56	57761	243.840	ug/l	98
14) Allyl chloride	4.71	41	222970	49.928	ug/l	98
15) Acrylonitrile	5.41	53	141763	242.192	ug/l	98
16) Acetone	4.15	43	162583	285.684	ug/l	95
17) Carbon Disulfide	4.40	76	449573	48.513	ug/l	100
18) Methyl Acetate	4.72	43	61012	46.085	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	298050	50.777	ug/l	96
20) Methylene Chloride	4.96	84	160554	51.086	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	162120	50.210	ug/l	100
22) Diisopropyl ether	6.36	45	432483	50.975	ug/l	96
23) Vinyl Acetate	6.30	43	1240378	259.228	ug/l	99
24) 1,1-Dichloroethane	6.26	63	263216	51.202	ug/l	97
25) 2-Butanone	7.21	43	188190	249.209	ug/l	99
26) 2,2-Dichloropropane	7.21	77	239890	51.892	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	170054	49.743	ug/l	99
28) Bromochloromethane	7.54	49	115765	53.058	ug/l	95
29) Tetrahydrofuran	7.56	42	113513	243.626	ug/l	99
30) Chloroform	7.71	83	273071	50.781	ug/l	99
31) Cyclohexane	7.99	56	244481	48.340	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	260325	52.336	ug/l	98
36) 1,1-Dichloropropene	8.11	75	219593	52.618	ug/l	99
37) Ethyl Acetate	7.29	43	81993	51.445	ug/l	98
38) Carbon Tetrachloride	8.09	117	241260	53.279	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	276091	54.629	ug/l	96
40) Benzene	8.35	78	615820	52.745	ug/l	97
41) Methacrylonitrile	7.53	41	59870	65.574	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	165898	51.853	ug/l	99
43) Isopropyl Acetate	8.45	43	157732	50.670	ug/l	100
44) Trichloroethene	9.11	130	187435	53.050	ug/l	92
45) 1,2-Dichloropropane	9.39	63	144228	51.005	ug/l	99
46) Dibromomethane	9.48	93	79122	51.977	ug/l	98
47) Bromodichloromethane	9.66	83	208971	51.918	ug/l	96
48) Methyl methacrylate	9.46	41	83196	52.984	ug/l	98
49) 1,4-Dioxane	9.46	88	17471	990.641	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	406899	259.427	ug/l	99
52) Toluene	10.40	92	410420	53.903	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	202524	54.008	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	239826	52.761	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	111862	51.814	ug/l	92
56) Ethyl methacrylate	10.66	69	135468	53.970	ug/l	99
57) 1,3-Dichloropropane	10.95	76	190956	53.429	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	295109	246.113	ug/l	98
59) 2-Hexanone	10.98	43	291313	268.017	ug/l	96
60) Dibromochloromethane	11.14	129	155858	53.543	ug/l	98
61) 1,2-Dibromoethane	11.25	107	108431	52.090	ug/l	99
64) Tetrachloroethene	10.88	164	163831	54.174	ug/l	96
65) Chlorobenzene	11.67	112	435579	53.394	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	163959	54.431	ug/l	100
67) Ethyl Benzene	11.75	91	774980	55.202	ug/l	97
68) m/p-Xylenes	11.86	106	599285	111.060	ug/l	100
69) o-Xylene	12.18	106	273481	55.723	ug/l	100
70) Styrene	12.20	104	468201	55.523	ug/l	99
71) Bromoform	12.37	173	95293	54.007	ug/l #	99
73) Isopropylbenzene	12.48	105	763753	54.465	ug/l	99
74) N-amyl acetate	12.30	43	154875	53.267	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	118953	51.329	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	74054m	42.440	ug/l	
77) Bromobenzene	12.77	156	191180	53.346	ug/l	96
78) n-propylbenzene	12.83	91	891639	54.795	ug/l	99
79) 2-Chlorotoluene	12.91	91	499260	53.705	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	635357	55.148	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	39328	51.718	ug/l	97
82) 4-Chlorotoluene	13.01	91	530230	54.036	ug/l	100
83) tert-Butylbenzene	13.23	119	561223	55.669	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	628687	55.312	ug/l	100
85) sec-Butylbenzene	13.41	105	772373	55.622	ug/l	98
86) p-Isopropyltoluene	13.52	119	713035	56.520	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	354871	53.335	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	354848	52.755	ug/l	99
89) n-Butylbenzene	13.85	91	660644	56.319	ug/l	99
90) Hexachloroethane	14.12	117	136392	52.226	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	305702	53.021	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19406	51.094	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	228561	55.228	ug/l	99
94) Hexachlorobutadiene	15.27	225	141671	55.371	ug/l	100
95) Naphthalene	15.41	128	369418	50.181	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	197314	54.843	ug/l	99

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

