

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031320\
 Data File : VD065498.D
 Acq On : 13 Mar 2020 10:38
 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
 3/16/2020 2:05:25 PM

Quant Time: Mar 16 01:58:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	479725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	653028	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	608499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	308171	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	185511	45.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.16%	
35) Dibromofluoromethane	7.92	113	203014	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
50) Toluene-d8	10.34	98	778382	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.64	95	247446	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	169537	41.121	ug/l	96
3) Chloromethane	2.21	50	206544	41.494	ug/l	99
4) Vinyl Chloride	2.35	62	217632	44.327	ug/l	99
5) Bromomethane	2.77	94	126350	45.497	ug/l	99
6) Chloroethane	2.92	64	136642	45.442	ug/l	100
7) Trichlorofluoromethane	3.27	101	339488	46.927	ug/l	97
8) Diethyl Ether	3.71	74	97384	45.266	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	222061	47.660	ug/l	99
10) Methyl Iodide	4.29	142	221315	45.721	ug/l	100
11) Tert butyl alcohol	5.25	59	53905	228.373	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	204941	45.935	ug/l	97
13) Acrolein	3.92	56	99657	244.811	ug/l	99
14) Allyl chloride	4.71	41	302244	44.100	ug/l	99
15) Acrylonitrile	5.43	53	213227	227.823	ug/l	100
16) Acetone	4.16	43	230214	276.621	ug/l	98
17) Carbon Disulfide	4.40	76	651132	43.825	ug/l	99
18) Methyl Acetate	4.72	43	94528	44.777	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	400824	46.718	ug/l	97
20) Methylene Chloride	4.96	84	221696	48.983	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	233276	47.003	ug/l	98
22) Diisopropyl ether	6.37	45	618756	48.566	ug/l	97
23) Vinyl Acetate	6.31	43	1725973	243.982	ug/l	100
24) 1,1-Dichloroethane	6.26	63	383386	46.915	ug/l	97
25) 2-Butanone	7.22	43	274890	242.042	ug/l	96
26) 2,2-Dichloropropane	7.21	77	343949	48.163	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	241060	47.519	ug/l	99
28) Bromochloromethane	7.55	49	156969	48.010	ug/l	100
29) Tetrahydrofuran	7.57	42	166663	229.792	ug/l	97
30) Chloroform	7.71	83	394672	48.319	ug/l	99
31) Cyclohexane	7.98	56	366287	44.825	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	359293	47.599	ug/l	98
36) 1,1-Dichloropropene	8.11	75	321791	51.407	ug/l	98
37) Ethyl Acetate	7.30	43	123330	50.974	ug/l	98
38) Carbon Tetrachloride	8.10	117	338144	52.093	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	388371	51.369	ug/l	94
40) Benzene	8.36	78	903385	51.617	ug/l	99
41) Methacrylonitrile	7.53	41	58841	45.986	ug/l	95
42) 1,2-Dichloroethane	8.43	62	233921	51.184	ug/l	100
43) Isopropyl Acetate	8.46	43	216758	48.520	ug/l	99
44) Trichloroethene	9.11	130	253742	51.338	ug/l	99
45) 1,2-Dichloropropane	9.39	63	219701	51.822	ug/l	94
46) Dibromomethane	9.48	93	114465	52.052	ug/l	97
47) Bromodichloromethane	9.67	83	301618	52.721	ug/l	98
48) Methyl methacrylate	9.46	41	102733	48.888	ug/l	98
49) 1,4-Dioxane	9.47	88	25778	1024.806	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	591783	263.238	ug/l	100
52) Toluene	10.41	92	583575	52.929	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	274414	51.328	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	335758	51.884	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	161773	51.940	ug/l	99
56) Ethyl methacrylate	10.67	69	185463	52.820	ug/l	98
57) 1,3-Dichloropropane	10.95	76	271677	51.553	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	254589	232.147	ug/l	100
59) 2-Hexanone	10.99	43	438501	281.774	ug/l	99
60) Dibromochloromethane	11.14	129	208333	52.182	ug/l	98
61) 1,2-Dibromoethane	11.25	107	155933	52.487	ug/l	96
64) Tetrachloroethene	10.88	164	222890	51.118	ug/l	99
65) Chlorobenzene	11.67	112	611851	50.812	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	223294	50.916	ug/l	99
67) Ethyl Benzene	11.75	91	1096801	52.715	ug/l	99
68) m/p-Xylenes	11.86	106	851338	106.116	ug/l	99
69) o-Xylene	12.18	106	369350	52.338	ug/l	98
70) Styrene	12.20	104	669875	53.935	ug/l	99
71) Bromoform	12.37	173	125746	51.046	ug/l #	100
73) Isopropylbenzene	12.48	105	1044529	51.531	ug/l	100
74) N-amyl acetate	12.30	43	197991	47.712	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	172109	48.305	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	115922m	47.671	ug/l	
77) Bromobenzene	12.77	156	250023	49.647	ug/l	99
78) n-propylbenzene	12.83	91	1253763	52.131	ug/l	100
79) 2-Chlorotoluene	12.91	91	686288	50.632	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	866741	52.012	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	57382	49.797	ug/l	98
82) 4-Chlorotoluene	13.01	91	717390	50.367	ug/l	99
83) tert-Butylbenzene	13.23	119	724723	51.406	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	867498	52.812	ug/l	100
85) sec-Butylbenzene	13.41	105	1052317	52.292	ug/l	99
86) p-Isopropyltoluene	13.53	119	985802	53.685	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	487641	50.365	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	472081	49.016	ug/l	99
89) n-Butylbenzene	13.86	91	883597	52.049	ug/l	99
90) Hexachloroethane	14.12	117	189885	50.213	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	413790	50.221	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25083	46.225	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	278250	49.826	ug/l	100
94) Hexachlorobutadiene	15.28	225	188076	51.256	ug/l	98
95) Naphthalene	15.41	128	447281	45.385	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	248983	51.595	ug/l	100

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

