

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090420\
 Data File : VD066572.D
 Acq On : 04 Sep 2020 19:24
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 9/8/2020 5:43:26 PM

Quant Time: Sep 05 05:45:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	444467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	766341	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	696435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	333653	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	257360	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
35) Dibromofluoromethane	7.91	113	241236	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
50) Toluene-d8	10.34	98	872697	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
62) 4-Bromofluorobenzene	12.63	95	307537	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	182674	49.752	ug/l	86
3) Chloromethane	2.21	50	272382	48.459	ug/l	99
4) Vinyl Chloride	2.35	62	300768	48.244	ug/l	99
5) Bromomethane	2.77	94	252936	65.594	ug/l	82
6) Chloroethane	2.92	64	202142	51.049	ug/l	99
7) Trichlorofluoromethane	3.27	101	410500	44.573	ug/l	96
8) Diethyl Ether	3.71	74	112005	48.296	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	219810	44.100	ug/l	98
10) Methyl Iodide	4.30	142	122788	28.857	ug/l	99
11) Tert butyl alcohol	5.22	59	77832	227.264	ug/l	98
12) 1,1-Dichloroethene	4.07	96	202845	45.298	ug/l	98
13) Acrolein	3.92	56	41678	189.547	ug/l	93
14) Allyl chloride	4.71	41	342705	46.697	ug/l	96
15) Acrylonitrile	5.42	53	232398	233.274	ug/l	98
16) Acetone	4.16	43	211170	213.418	ug/l	99
17) Carbon Disulfide	4.41	76	642416	43.639	ug/l	100
18) Methyl Acetate	4.71	43	106623	45.204	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	540495	51.470	ug/l	96
20) Methylene Chloride	4.97	84	250325	45.876	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	241743	45.460	ug/l	92
22) Diisopropyl ether	6.36	45	752197	49.841	ug/l	97
23) Vinyl Acetate	6.30	43	2196619	255.766	ug/l	99
24) 1,1-Dichloroethane	6.26	63	444802	46.867	ug/l	99
25) 2-Butanone	7.21	43	308119	231.973	ug/l	99
26) 2,2-Dichloropropane	7.20	77	393512	45.202	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	278201	48.650	ug/l	99
28) Bromochloromethane	7.54	49	174900	47.867	ug/l	97
29) Tetrahydrofuran	7.56	42	202015	244.208	ug/l	98
30) Chloroform	7.71	83	479378	47.744	ug/l	96
31) Cyclohexane	7.98	56	382439	43.592	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	442887	46.916	ug/l	98
36) 1,1-Dichloropropene	8.11	75	351646	44.092	ug/l	99
37) Ethyl Acetate	7.29	43	141300	44.494	ug/l	98
38) Carbon Tetrachloride	8.10	117	386579	45.859	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	418349	46.976	ug/l	99
40) Benzene	8.35	78	987330	45.202	ug/l	99
41) Methacrylonitrile	7.53	41	87781m	57.103	ug/l	
42) 1,2-Dichloroethane	8.42	62	320840	45.335	ug/l	100
43) Isopropyl Acetate	8.45	43	289850	47.626	ug/l	99
44) Trichloroethene	9.11	130	262908	45.887	ug/l	97
45) 1,2-Dichloropropane	9.38	63	252385	45.947	ug/l	97
46) Dibromomethane	9.47	93	137690	45.434	ug/l	98
47) Bromodichloromethane	9.66	83	378001	46.102	ug/l	98
48) Methyl methacrylate	9.45	41	150796	49.001	ug/l	97
49) 1,4-Dioxane	9.46	88	31774	955.683	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	714250	232.707	ug/l	100
52) Toluene	10.40	92	631994	45.709	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	344610	47.611	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	402295	46.283	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	185244	47.541	ug/l	96
56) Ethyl methacrylate	10.66	69	228724	50.414	ug/l	96
57) 1,3-Dichloropropane	10.94	76	311675	45.666	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	462387	222.821	ug/l	99
59) 2-Hexanone	10.98	43	503052	243.721	ug/l	98
60) Dibromochloromethane	11.14	129	239911	46.561	ug/l	98
61) 1,2-Dibromoethane	11.24	107	175654	46.336	ug/l	98
64) Tetrachloroethene	10.87	164	207824	44.320	ug/l	97
65) Chlorobenzene	11.67	112	660602	45.958	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	251352	45.818	ug/l	98
67) Ethyl Benzene	11.74	91	1396101	52.896	ug/l	99
68) m/p-Xylenes	11.85	106	1131174	115.427	ug/l	96
69) o-Xylene	12.18	106	458700	52.228	ug/l	96
70) Styrene	12.19	104	749919	49.115	ug/l	97
71) Bromoform	12.36	173	126984	45.931	ug/l #	98
73) Isopropylbenzene	12.48	105	1199425	48.553	ug/l	99
74) N-amyl acetate	12.29	43	271818	48.582	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	194978	44.676	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	127599m	39.765	ug/l	
77) Bromobenzene	12.76	156	257242	46.708	ug/l	99
78) n-propylbenzene	12.82	91	1439502	48.069	ug/l	100
79) 2-Chlorotoluene	12.91	91	806968	48.034	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	1013560	48.748	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	61483	44.733	ug/l	98
82) 4-Chlorotoluene	13.01	91	832499	46.339	ug/l	99
83) tert-Butylbenzene	13.23	119	830294	48.901	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	1040213	50.250	ug/l	98
85) sec-Butylbenzene	13.40	105	1176464	48.093	ug/l	99
86) p-Isopropyltoluene	13.52	119	1087872	49.409	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	503963	46.093	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	503045	45.839	ug/l	99
89) n-Butylbenzene	13.85	91	1025831	47.812	ug/l	99
90) Hexachloroethane	14.11	117	212548	44.803	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	432479	45.254	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	32428	43.741	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	287460	50.120	ug/l	100
94) Hexachlorobutadiene	15.27	225	159741	46.359	ug/l	97
95) Naphthalene	15.41	128	799812	79.802	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	244760	50.055	ug/l	99

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

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