

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012920\
 Data File : VD064988.D
 Acq On : 29 Jan 2020 10:45
 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
 1/30/2020 10:27:06 AM

Quant Time: Jan 29 15:43:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	504891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	718765	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	631402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304839	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	229951	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
35) Dibromofluoromethane	7.92	113	224109	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
50) Toluene-d8	10.34	98	880039	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.64	95	268499	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	199331	52.406	ug/l	99
3) Chloromethane	2.21	50	280153	50.255	ug/l	99
4) Vinyl Chloride	2.36	62	323803	50.572	ug/l	99
5) Bromomethane	2.77	94	200350	46.517	ug/l	100
6) Chloroethane	2.93	64	205477	48.678	ug/l	99
7) Trichlorofluoromethane	3.27	101	499678	50.532	ug/l	97
8) Diethyl Ether	3.71	74	111082	49.761	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	239989	52.166	ug/l	98
10) Methyl Iodide	4.29	142	259072	53.052	ug/l	100
11) Tert butyl alcohol	5.25	59	59869	223.703	ug/l	96
12) 1,1-Dichloroethene	4.06	96	230568	52.462	ug/l	95
13) Acrolein	3.93	56	92119	274.573	ug/l	94
14) Allyl chloride	4.71	41	371553	53.007	ug/l	100
15) Acrylonitrile	5.43	53	234605	242.693	ug/l	99
16) Acetone	4.17	43	278743	242.373	ug/l	100
17) Carbon Disulfide	4.40	76	734546	50.783	ug/l	98
18) Methyl Acetate	4.73	43	105419	46.477	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	500646	50.982	ug/l	99
20) Methylene Chloride	4.96	84	270241	58.466	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	260253	51.398	ug/l	94
22) Diisopropyl ether	6.37	45	735356	52.640	ug/l	97
23) Vinyl Acetate	6.31	43	2097128	256.406	ug/l	99
24) 1,1-Dichloroethane	6.27	63	450180	52.487	ug/l	97
25) 2-Butanone	7.22	43	322090	246.170	ug/l	98
26) 2,2-Dichloropropane	7.21	77	419994	53.985	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	280759	51.949	ug/l	98
28) Bromochloromethane	7.55	49	175813	51.255	ug/l	99
29) Tetrahydrofuran	7.57	42	189923	235.261	ug/l	100
30) Chloroform	7.71	83	458481	51.711	ug/l	99
31) Cyclohexane	7.98	56	416533	49.366	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	429164	52.031	ug/l	98
36) 1,1-Dichloropropene	8.11	75	375101	54.120	ug/l	99
37) Ethyl Acetate	7.30	43	137846	48.150	ug/l	99
38) Carbon Tetrachloride	8.10	117	400329	54.647	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	442159	54.567	ug/l	96
40) Benzene	8.36	78	1019533	53.410	ug/l	98
41) Methacrylonitrile	7.53	41	89986	58.348	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	294256	51.749	ug/l	100
43) Isopropyl Acetate	8.46	43	269394	49.538	ug/l	99
44) Trichloroethene	9.11	130	288837	54.065	ug/l	95
45) 1,2-Dichloropropane	9.39	63	244363	52.806	ug/l	100
46) Dibromomethane	9.48	93	127475	50.456	ug/l	99
47) Bromodichloromethane	9.67	83	349568	53.174	ug/l	100
48) Methyl methacrylate	9.46	41	127308	50.871	ug/l	98
49) 1,4-Dioxane	9.47	88	28438	970.538	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	666761	245.039	ug/l	100
52) Toluene	10.41	92	664249	53.973	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	329981	52.695	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	394095	53.751	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	170966	50.238	ug/l	96
56) Ethyl methacrylate	10.67	69	214957	52.821	ug/l	98
57) 1,3-Dichloropropane	10.95	76	306362	52.487	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	322019	238.180	ug/l	99
59) 2-Hexanone	10.99	43	494805	263.629	ug/l	100
60) Dibromochloromethane	11.14	129	230443	50.664	ug/l	97
61) 1,2-Dibromoethane	11.25	107	167520	51.122	ug/l	96
64) Tetrachloroethene	10.88	164	241138	52.850	ug/l	95
65) Chlorobenzene	11.67	112	684992	53.432	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	259808	53.887	ug/l	99
67) Ethyl Benzene	11.75	91	1262753	55.482	ug/l	98
68) m/p-Xylenes	11.86	106	986424	112.568	ug/l	99
69) o-Xylene	12.18	106	433978	55.802	ug/l	98
70) Styrene	12.20	104	769093	55.514	ug/l	98
71) Bromoform	12.37	173	136200	50.819	ug/l #	99
73) Isopropylbenzene	12.48	105	1199892	57.589	ug/l	100
74) N-amyl acetate	12.30	43	236989	50.831	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	176748	50.473	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	125043m	49.420	ug/l	
77) Bromobenzene	12.77	156	273044	53.560	ug/l	98
78) n-propylbenzene	12.83	91	1400077	56.504	ug/l	100
79) 2-Chlorotoluene	12.91	91	756341	55.642	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	965987	56.575	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	60295	50.883	ug/l	97
82) 4-Chlorotoluene	13.01	91	793749	55.062	ug/l	99
83) tert-Butylbenzene	13.23	119	810477	55.934	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	968922	56.017	ug/l	100
85) sec-Butylbenzene	13.41	105	1140194	55.575	ug/l	99
86) p-Isopropyltoluene	13.53	119	1088288	56.687	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	535835	54.781	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	514667	53.014	ug/l	100
89) n-Butylbenzene	13.86	91	984371	56.184	ug/l	98
90) Hexachloroethane	14.12	117	201583	54.449	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	440738	53.075	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27338	48.783	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	296828	51.668	ug/l	98
94) Hexachlorobutadiene	15.28	225	193663	53.296	ug/l	98
95) Naphthalene	15.41	128	483036	52.099	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	257842	51.764	ug/l	99

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

