

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012220\
 Data File : VD064915.D
 Acq On : 22 Jan 2020 14:01
 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
 1/23/2020 11:13:39 AM

Quant Time: Jan 22 23:40:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	405525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	575742	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	514102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	258991	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	200630	56.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.22%	
35) Dibromofluoromethane	7.92	113	198482	56.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.38%	
50) Toluene-d8	10.34	98	750042	55.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.88%	
62) 4-Bromofluorobenzene	12.64	95	238003	55.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	136566	43.333	ug/l	99
3) Chloromethane	2.21	50	200752	45.547	ug/l	99
4) Vinyl Chloride	2.35	62	244435	45.484	ug/l	97
5) Bromomethane	2.77	94	161960	41.449	ug/l	96
6) Chloroethane	2.93	64	164783	45.761	ug/l	99
7) Trichlorofluoromethane	3.27	101	417316	46.119	ug/l	98
8) Diethyl Ether	3.71	74	89431	49.770	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	198603	52.997	ug/l	97
10) Methyl Iodide	4.30	142	204503	50.804	ug/l	99
11) Tert butyl alcohol	5.25	59	66842	326.163	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	178586	50.056	ug/l	93
13) Acrolein	3.92	56	63884	223.678	ug/l	99
14) Allyl chloride	4.71	41	299816	53.899	ug/l	100
15) Acrylonitrile	5.43	53	210398	281.109	ug/l	99
16) Acetone	4.17	43	248639	344.766	ug/l	94
17) Carbon Disulfide	4.40	76	491992	42.648	ug/l	99
18) Methyl Acetate	4.73	43	109657	54.470	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	431583	54.462	ug/l	100
20) Methylene Chloride	4.96	84	210037	58.237	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	207525	51.075	ug/l	93
22) Diisopropyl ether	6.37	45	617006	55.611	ug/l	98
23) Vinyl Acetate	6.31	43	1777758	282.463	ug/l	98
24) 1,1-Dichloroethane	6.26	63	368638	55.345	ug/l	99
25) 2-Butanone	7.22	43	289433	294.462	ug/l	99
26) 2,2-Dichloropropane	7.21	77	353195	57.033	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	231686	52.835	ug/l	96
28) Bromochloromethane	7.55	49	141915	54.810	ug/l	98
29) Tetrahydrofuran	7.57	42	170058	278.211	ug/l	97
30) Chloroform	7.71	83	381959	54.658	ug/l	97
31) Cyclohexane	7.98	56	319293	47.889	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	361255	55.038	ug/l	99
36) 1,1-Dichloropropene	8.11	75	299664	54.076	ug/l	99
37) Ethyl Acetate	7.30	43	120266	55.244	ug/l	98
38) Carbon Tetrachloride	8.10	117	334368	56.587	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	347136	51.721	ug/l	94
40) Benzene	8.36	78	821770	54.322	ug/l	97
41) Methacrylonitrile	7.53	41	74942	59.332	ug/l	97
42) 1,2-Dichloroethane	8.43	62	244676	55.970	ug/l	100
43) Isopropyl Acetate	8.46	43	240906	55.597	ug/l	99
44) Trichloroethene	9.11	130	233081	52.448	ug/l	97
45) 1,2-Dichloropropane	9.39	63	204641	56.657	ug/l	99
46) Dibromomethane	9.48	93	109304	54.278	ug/l	98
47) Bromodichloromethane	9.67	83	299079	55.813	ug/l	99
48) Methyl methacrylate	9.46	41	110057	53.942	ug/l	93
49) 1,4-Dioxane	9.47	88	24806	1068.293	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	612454	285.958	ug/l	100
52) Toluene	10.41	92	541313	54.541	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	282105	56.467	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	331226	56.227	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	149194	54.974	ug/l	95
56) Ethyl methacrylate	10.67	69	188215	55.532	ug/l	96
57) 1,3-Dichloropropane	10.95	76	251974	53.923	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	333255	258.076	ug/l	99
59) 2-Hexanone	10.99	43	445076	306.177	ug/l	100
60) Dibromochloromethane	11.14	129	204383	54.459	ug/l	98
61) 1,2-Dibromoethane	11.25	107	143748	53.702	ug/l	99
64) Tetrachloroethene	10.88	164	198825	50.411	ug/l	94
65) Chlorobenzene	11.67	112	562345	52.703	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	220252	54.755	ug/l	100
67) Ethyl Benzene	11.75	91	1046335	54.027	ug/l	99
68) m/p-Xylenes	11.86	106	816056	109.168	ug/l	99
69) o-Xylene	12.18	106	361143	53.487	ug/l	99
70) Styrene	12.20	104	648325	54.703	ug/l	99
71) Bromoform	12.37	173	120942	52.723	ug/l #	100
73) Isopropylbenzene	12.48	105	1006417	54.377	ug/l	99
74) N-amyl acetate	12.30	43	214386	54.188	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	157332	54.114	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	104516m	51.104	ug/l	
77) Bromobenzene	12.77	156	235226	51.724	ug/l	98
78) n-propylbenzene	12.83	91	1197573	55.464	ug/l	98
79) 2-Chlorotoluene	12.91	91	640769	54.022	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	813753	53.524	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	53404	54.613	ug/l	96
82) 4-Chlorotoluene	13.01	91	660478	52.324	ug/l	99
83) tert-Butylbenzene	13.23	119	710000	53.786	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	822013	54.288	ug/l	98
85) sec-Butylbenzene	13.41	105	989344	54.669	ug/l	99
86) p-Isopropyltoluene	13.53	119	940699	54.363	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	455496	52.540	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	445718	52.335	ug/l	100
89) n-Butylbenzene	13.85	91	850909	54.605	ug/l	100
90) Hexachloroethane	14.12	117	178616	54.037	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	382843	51.788	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24805	52.628	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	272972	50.149	ug/l	98
94) Hexachlorobutadiene	15.28	225	174569	50.966	ug/l	99
95) Naphthalene	15.41	128	450106	52.270	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	232689	50.075	ug/l	99

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

