

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
 Data File : VD064240.D
 Acq On : 15 Nov 2019 21:46
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 12:22:41 PM

Quant Time: Nov 18 00:57:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	604596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	892988	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	774734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	379492	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	266518	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	
35) Dibromofluoromethane	7.92	113	271042	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
50) Toluene-d8	10.34	98	975132	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.64	95	324687	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	242171	48.296	ug/l	99
3) Chloromethane	2.21	50	290887	54.083	ug/l	99
4) Vinyl Chloride	2.35	62	334627	58.180	ug/l	99
5) Bromomethane	2.77	94	232177	63.927	ug/l	99
6) Chloroethane	2.92	64	228472	62.166	ug/l	97
7) Trichlorofluoromethane	3.27	101	575737	61.741	ug/l	96
8) Diethyl Ether	3.71	74	143600	56.006	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	272920	51.206	ug/l	99
10) Methyl Iodide	4.30	142	315145	51.725	ug/l	100
11) Tert butyl alcohol	5.25	59	103154	297.014	ug/l #	69
12) 1,1-Dichloroethene	4.06	96	263538	51.875	ug/l	97
13) Acrolein	3.93	56	100106	340.716	ug/l	100
14) Allyl chloride	4.71	41	448029	49.878	ug/l	96
15) Acrylonitrile	5.43	53	324464	296.835	ug/l	99
16) Acetone	4.17	43	242589	205.937	ug/l	95
17) Carbon Disulfide	4.40	76	788165	49.817	ug/l	99
18) Methyl Acetate	4.73	43	179592	54.585	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	686849	56.633	ug/l	99
20) Methylene Chloride	4.97	84	300099	50.434	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	301559	52.392	ug/l	97
22) Diisopropyl ether	6.37	45	894131	53.649	ug/l	100
23) Vinyl Acetate	6.31	43	2705531	291.226	ug/l	98
24) 1,1-Dichloroethane	6.27	63	515156	53.236	ug/l	99
25) 2-Butanone	7.22	43	405567	266.491	ug/l	100
26) 2,2-Dichloropropane	7.21	77	445791	46.975	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	338952	54.914	ug/l	94
28) Bromochloromethane	7.55	49	195684	58.084	ug/l	97
29) Tetrahydrofuran	7.57	42	266909	291.903	ug/l	97
30) Chloroform	7.71	83	554888	56.058	ug/l	100
31) Cyclohexane	7.98	56	458968	47.029	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	492724	51.986	ug/l	99
36) 1,1-Dichloropropene	8.11	75	409025	49.630	ug/l	99
37) Ethyl Acetate	7.30	43	189856	54.644	ug/l	100
38) Carbon Tetrachloride	8.10	117	454462	51.534	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	503518	48.283	ug/l	97
40) Benzene	8.36	78	1162866	51.627	ug/l	98
41) Methacrylonitrile	7.53	41	123632	56.615	ug/l #	92
42) 1,2-Dichloroethane	8.43	62	361001	53.364	ug/l	100
43) Isopropyl Acetate	8.46	43	388219	54.230	ug/l	99
44) Trichloroethene	9.11	130	347415	51.391	ug/l	97
45) 1,2-Dichloropropane	9.39	63	288751	52.669	ug/l	97
46) Dibromomethane	9.48	93	164199	55.945	ug/l	99
47) Bromodichloromethane	9.67	83	426461	53.943	ug/l	98
48) Methyl methacrylate	9.46	41	181775	51.929	ug/l	93
49) 1,4-Dioxane	9.47	88	40870	1159.456	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	953418	277.727	ug/l	99
52) Toluene	10.41	92	754340	50.931	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	418370	52.822	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	480446	51.983	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	224487	56.382	ug/l	95
56) Ethyl methacrylate	10.67	69	307274	55.169	ug/l	95
57) 1,3-Dichloropropane	10.95	76	383755	55.265	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	601884	266.777	ug/l	99
59) 2-Hexanone	10.99	43	643531	263.490	ug/l	98
60) Dibromochloromethane	11.14	129	310451	55.880	ug/l	98
61) 1,2-Dibromoethane	11.25	107	222314	55.747	ug/l	99
64) Tetrachloroethene	10.88	164	295152	49.535	ug/l	95
65) Chlorobenzene	11.67	112	815661	51.774	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	316259	52.794	ug/l	98
67) Ethyl Benzene	11.75	91	1464822	51.403	ug/l	100
68) m/p-Xylenes	11.86	106	1115067	102.086	ug/l	99
69) o-Xylene	12.18	106	520965	51.426	ug/l	99
70) Styrene	12.20	104	920405	52.050	ug/l	99
71) Bromoform	12.37	173	194116	56.939	ug/l	100
73) Isopropylbenzene	12.48	105	1388961	49.865	ug/l	99
74) N-amyl acetate	12.30	43	348026	52.909	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	234353	55.836	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	151403m	49.532	ug/l	
77) Bromobenzene	12.77	156	358216	52.935	ug/l	99
78) n-propylbenzene	12.83	91	1603681	50.392	ug/l	99
79) 2-Chlorotoluene	12.91	91	894089	49.762	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1137155	49.683	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	79118	51.415	ug/l	98
82) 4-Chlorotoluene	13.01	91	936016	49.947	ug/l	99
83) tert-Butylbenzene	13.23	119	1003695	49.732	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	1151517	50.960	ug/l	100
85) sec-Butylbenzene	13.41	105	1353995	49.951	ug/l	100
86) p-Isopropyltoluene	13.53	119	1281217	49.717	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	663364	52.809	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	640762	52.264	ug/l	99
89) n-Butylbenzene	13.85	91	1150979	49.436	ug/l	99
90) Hexachloroethane	14.12	117	239689	50.327	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	566947	53.323	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	39364	52.455	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	434285	52.949	ug/l	100
94) Hexachlorobutadiene	15.28	225	266171	50.244	ug/l	99
95) Naphthalene	15.41	128	750723	55.837	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	382019	54.794	ug/l	99

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

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