

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112119\
 Data File : VD064321.D
 Acq On : 21 Nov 2019 13:21
 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
 11/23/2019 6:11:34 AM

Quant Time: Nov 22 00:48:34 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	7.99	168	723048	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1007426	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	856763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	425318	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	264099	44.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.82%	
35) Dibromofluoromethane	7.92	113	278793	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
50) Toluene-d8	10.34	98	1049368	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
62) 4-Bromofluorobenzene	12.64	95	347941	46.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	254642	42.463	ug/l	100
3) Chloromethane	2.21	50	299058	46.494	ug/l	98
4) Vinyl Chloride	2.35	62	384582	55.911	ug/l	98
5) Bromomethane	2.77	94	246311	56.709	ug/l	95
6) Chloroethane	2.93	64	260688	59.312	ug/l	99
7) Trichlorofluoromethane	3.27	101	644406	57.784	ug/l	100
8) Diethyl Ether	3.71	74	145852	47.565	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	307804	48.290	ug/l	100
10) Methyl Iodide	4.30	142	339372	46.778	ug/l	100
11) Tert butyl alcohol	5.26	59	85844	206.680	ug/l #	85
12) 1,1-Dichloroethene	4.06	96	285986	47.071	ug/l	97
13) Acrolein	3.92	56	89890	255.825	ug/l	100
14) Allyl chloride	4.71	41	476475	44.355	ug/l	95
15) Acrylonitrile	5.43	53	286347	219.048	ug/l	100
16) Acetone	4.16	43	328805	233.400	ug/l	97
17) Carbon Disulfide	4.40	76	813484	42.994	ug/l	100
18) Methyl Acetate	4.72	43	162994	41.425	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	651064	44.888	ug/l	95
20) Methylene Chloride	4.96	84	294840	41.433	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	314015	45.619	ug/l	97
22) Diisopropyl ether	6.37	45	916236	45.969	ug/l	99
23) Vinyl Acetate	6.31	43	2553865	229.866	ug/l	100
24) 1,1-Dichloroethane	6.26	63	543653	46.977	ug/l	99
25) 2-Butanone	7.22	43	395494	217.299	ug/l	99
26) 2,2-Dichloropropane	7.21	77	519147	45.743	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	343270	46.503	ug/l	97
28) Bromochloromethane	7.55	49	214403	53.214	ug/l	99
29) Tetrahydrofuran	7.57	42	236344	216.131	ug/l	98
30) Chloroform	7.71	83	560613	47.358	ug/l	97
31) Cyclohexane	7.99	56	505894	43.345	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	529046	46.674	ug/l	99
36) 1,1-Dichloropropene	8.11	75	444587	47.817	ug/l	100
37) Ethyl Acetate	7.30	43	168873	43.083	ug/l	97
38) Carbon Tetrachloride	8.10	117	479339	48.181	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	557836	47.415	ug/l	97
40) Benzene	8.35	78	1187397	46.728	ug/l	99
41) Methacrylonitrile	7.53	41	103225	41.900	ug/l	95
42) 1,2-Dichloroethane	8.43	62	335696	43.986	ug/l	99
43) Isopropyl Acetate	8.46	43	350000	43.338	ug/l	99
44) Trichloroethene	9.11	130	364610	47.808	ug/l	95
45) 1,2-Dichloropropane	9.39	63	287504	46.485	ug/l	98
46) Dibromomethane	9.48	93	153507	46.361	ug/l	98
47) Bromodichloromethane	9.67	83	410349	46.009	ug/l	93
48) Methyl methacrylate	9.46	41	162140	41.058	ug/l	98
49) 1,4-Dioxane	9.47	88	36981	929.953	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	835026	215.609	ug/l	100
52) Toluene	10.41	92	781647	46.780	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	399305	44.688	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	475575	45.611	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	208503	46.419	ug/l	96
56) Ethyl methacrylate	10.67	69	278381	44.304	ug/l	96
57) 1,3-Dichloropropane	10.95	76	353112	45.076	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	572576	224.958	ug/l	99
59) 2-Hexanone	10.99	43	598958	217.382	ug/l	99
60) Dibromochloromethane	11.14	129	284324	45.363	ug/l	99
61) 1,2-Dibromoethane	11.25	107	205386	45.652	ug/l	99
64) Tetrachloroethene	10.88	164	321272	48.757	ug/l	98
65) Chlorobenzene	11.67	112	822085	47.186	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	310967	46.941	ug/l	99
67) Ethyl Benzene	11.75	91	1498934	47.564	ug/l	99
68) m/p-Xylenes	11.86	106	1141519	94.501	ug/l	100
69) o-Xylene	12.18	106	525473	46.905	ug/l	100
70) Styrene	12.20	104	912716	46.673	ug/l	99
71) Bromoform	12.37	173	170254	45.158	ug/l	100
73) Isopropylbenzene	12.48	105	1493947	47.855	ug/l	100
74) N-amyl acetate	12.30	43	317275	43.037	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	213107	45.303	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	142762m	41.673	ug/l	
77) Bromobenzene	12.77	156	357837	47.182	ug/l	98
78) n-propylbenzene	12.83	91	1701275	47.699	ug/l	99
79) 2-Chlorotoluene	12.91	91	937904	46.576	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1219170	47.527	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	73817	42.801	ug/l	100
82) 4-Chlorotoluene	13.01	91	980915	46.703	ug/l	99
83) tert-Butylbenzene	13.23	119	1067138	47.178	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1214232	47.946	ug/l	99
85) sec-Butylbenzene	13.41	105	1455008	47.894	ug/l	100
86) p-Isopropyltoluene	13.53	119	1390241	48.135	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	672486	47.767	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	657590	47.858	ug/l	100
89) n-Butylbenzene	13.86	91	1267007	48.557	ug/l	99
90) Hexachloroethane	14.12	117	252573	47.319	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	570048	47.838	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	34841	41.426	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	446879	48.614	ug/l	99
94) Hexachlorobutadiene	15.28	225	298242	50.232	ug/l	100
95) Naphthalene	15.41	128	692187	45.936	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	376190	48.145	ug/l	98

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

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