

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112219\
 Data File : VD064339.D
 Acq On : 22 Nov 2019 11:00
 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
 11/26/2019 1:34:39 AM

Quant Time: Nov 23 00:55:47 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	601332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	841886	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	719562	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	354124	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	209766	42.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.82%	
35) Dibromofluoromethane	7.91	113	221390	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	
50) Toluene-d8	10.34	98	839070	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	
62) 4-Bromofluorobenzene	12.64	95	267998	42.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	222378	44.589	ug/l	99
3) Chloromethane	2.21	50	254760	47.623	ug/l	100
4) Vinyl Chloride	2.35	62	333908	58.370	ug/l	99
5) Bromomethane	2.77	94	225763	62.499	ug/l	98
6) Chloroethane	2.92	64	224107	61.309	ug/l	96
7) Trichlorofluoromethane	3.27	101	587431	63.337	ug/l	100
8) Diethyl Ether	3.70	74	115873	45.437	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	267371	50.437	ug/l	99
10) Methyl Iodide	4.29	142	299185	49.464	ug/l	99
11) Tert butyl alcohol	5.25	59	76807	222.353	ug/l	94
12) 1,1-Dichloroethene	4.06	96	250977	49.670	ug/l	95
13) Acrolein	3.92	56	73617	251.920	ug/l	98
14) Allyl chloride	4.71	41	400262	44.803	ug/l	95
15) Acrylonitrile	5.43	53	248930	228.969	ug/l	99
16) Acetone	4.16	43	305334	260.609	ug/l	100
17) Carbon Disulfide	4.40	76	715303	45.457	ug/l	98
18) Methyl Acetate	4.72	43	141995	43.392	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	548732	45.491	ug/l	94
20) Methylene Chloride	4.97	84	259942	43.922	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	274695	47.984	ug/l	96
22) Diisopropyl ether	6.37	45	750504	45.276	ug/l	99
23) Vinyl Acetate	6.31	43	2146706	232.328	ug/l	99
24) 1,1-Dichloroethane	6.26	63	466258	48.444	ug/l	99
25) 2-Butanone	7.22	43	346509	228.921	ug/l	98
26) 2,2-Dichloropropane	7.21	77	446755	47.332	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	302609	49.292	ug/l	95
28) Bromochloromethane	7.55	49	160368	47.859	ug/l	97
29) Tetrahydrofuran	7.57	42	202850	223.049	ug/l	98
30) Chloroform	7.71	83	477097	48.461	ug/l	98
31) Cyclohexane	7.98	56	440704	45.402	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	463782	49.198	ug/l	100
36) 1,1-Dichloropropene	8.11	75	393189	50.604	ug/l	99
37) Ethyl Acetate	7.30	43	146142	44.615	ug/l	97
38) Carbon Tetrachloride	8.09	117	426929	51.351	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	486300	49.463	ug/l	94
40) Benzene	8.35	78	1049737	49.434	ug/l	98
41) Methacrylonitrile	7.53	41	75653	36.746	ug/l #	83
42) 1,2-Dichloroethane	8.43	62	296688	46.519	ug/l	98
43) Isopropyl Acetate	8.46	43	293322	43.461	ug/l	97
44) Trichloroethene	9.11	130	319816	50.180	ug/l	99
45) 1,2-Dichloropropane	9.39	63	247871	47.957	ug/l	96
46) Dibromomethane	9.48	93	134055	48.447	ug/l	98
47) Bromodichloromethane	9.67	83	357009	47.899	ug/l	98
48) Methyl methacrylate	9.46	41	145308	44.031	ug/l	99
49) 1,4-Dioxane	9.47	88	30508	918.028	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	723065	223.411	ug/l	100
52) Toluene	10.41	92	687449	49.232	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	345674	46.293	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	408726	46.907	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	185653	49.459	ug/l	98
56) Ethyl methacrylate	10.67	69	238412	45.404	ug/l	96
57) 1,3-Dichloropropane	10.95	76	312074	47.671	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	488536	229.681	ug/l	99
59) 2-Hexanone	10.99	43	528387	229.477	ug/l	98
60) Dibromochloromethane	11.14	129	254141	48.521	ug/l	100
61) 1,2-Dibromoethane	11.25	107	181159	48.184	ug/l	100
64) Tetrachloroethene	10.88	164	279124	50.437	ug/l	98
65) Chlorobenzene	11.67	112	724648	49.524	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	276343	49.668	ug/l	100
67) Ethyl Benzene	11.75	91	1328423	50.191	ug/l	100
68) m/p-Xylenes	11.86	106	1025483	101.083	ug/l	99
69) o-Xylene	12.18	106	463467	49.258	ug/l	100
70) Styrene	12.20	104	807290	49.154	ug/l	99
71) Bromoform	12.37	173	152239	48.080	ug/l #	99
73) Isopropylbenzene	12.48	105	1313820	50.546	ug/l	99
74) N-amyl acetate	12.30	43	264994	43.172	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	186048	47.502	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	158859m	55.694	ug/l	
77) Bromobenzene	12.77	156	305470	48.374	ug/l	97
78) n-propylbenzene	12.83	91	1499487	50.493	ug/l	100
79) 2-Chlorotoluene	12.91	91	810418	48.336	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1053376	49.320	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	61292	42.684	ug/l	98
82) 4-Chlorotoluene	13.01	91	843656	48.243	ug/l	99
83) tert-Butylbenzene	13.23	119	927648	49.256	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1044885	49.553	ug/l	100
85) sec-Butylbenzene	13.41	105	1278370	50.539	ug/l	100
86) p-Isopropyltoluene	13.53	119	1215927	50.563	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	582727	49.712	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	574793	50.242	ug/l	99
89) n-Butylbenzene	13.86	91	1107505	50.977	ug/l	99
90) Hexachloroethane	14.12	117	220276	49.565	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	494080	49.799	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	29814	42.575	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	376433	49.184	ug/l	99
94) Hexachlorobutadiene	15.28	225	252087	50.994	ug/l	99
95) Naphthalene	15.41	128	597011	47.585	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	316514	48.651	ug/l	98

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

