

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091918\
 Data File : VD060036.D
 Acq On : 19 Sep 2018 10:34
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/21/2018 5:02:13 PM

Quant Time: Sep 21 16:09:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1755325	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	7.45	114	2398323	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.29	117	1923339	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	1039977	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	626685	45.78	ug/l	0.03
Spiked Amount	50.000		Recovery	=	91.56%	
35) Dibromofluoromethane	6.33	113	878220	46.87	ug/l	0.03
Spiked Amount	50.000		Recovery	=	93.74%	
50) Toluene-d8	9.47	98	2487521	47.90	ug/l	0.03
Spiked Amount	50.000		Recovery	=	95.80%	
62) 4-Bromofluorobenzene	12.43	95	908282	45.78	ug/l	0.02
Spiked Amount	50.000		Recovery	=	91.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	918420	49.567	ug/l	99
3) Chloromethane	1.76	50	798262	48.772	ug/l	97
4) Vinyl Chloride	1.86	62	666080	50.624	ug/l	100
5) Bromomethane	2.15	94	92184	59.191	ug/l	96
6) Chloroethane	2.25	64	190991	64.929	ug/l	96
7) Trichlorofluoromethane	2.51	101	774944	53.497	ug/l	97
8) Diethyl Ether	2.83	74	161794	52.542	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.10	101	499629	54.698	ug/l	99
10) Methyl Iodide	3.25	142	576386	59.578	ug/l	96
11) Tert butyl alcohol	3.98	59	229983	208.217	ug/l	99
12) 1,1-Dichloroethene	3.08	96	396735	54.931	ug/l	93
13) Acrolein	2.99	56	151381	221.317	ug/l	99
14) Allyl chloride	3.54	41	812805	53.363	ug/l	99
15) Acrylonitrile	4.09	53	999541	239.738	ug/l	100
16) Acetone	3.17	43	709481	268.452	ug/l	97
17) Carbon Disulfide	3.32	76	1312242	52.732	ug/l	100
18) Methyl Acetate	3.56	43	291063	54.153	ug/l	97
19) Methyl tert-butyl Ether	4.13	73	1638262	49.092	ug/l	99
20) Methylene Chloride	3.72	84	940245	50.000	ug/l	98
21) trans-1,2-Dichloroethene	4.10	96	957557	50.522	ug/l	97
22) Diisopropyl ether	4.86	45	3478665	50.068	ug/l	98
23) Vinyl Acetate	4.81	43	9658547	245.382	ug/l	100
24) 1,1-Dichloroethane	4.76	63	1557757	49.962	ug/l	99
25) 2-Butanone	5.63	43	1586812	222.501	ug/l	98
26) 2,2-Dichloropropane	5.60	77	1274897	52.594	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	1015087	51.201	ug/l	99
28) Bromochloromethane	5.93	49	765904	51.103	ug/l	98
29) Tetrahydrofuran	5.96	42	890400	232.805	ug/l	99
30) Chloroform	6.11	83	1639600	51.855	ug/l	99
31) Cyclohexane	6.38	56	1424930	46.872	ug/l	97
32) 1,1,1-Trichloroethane	6.30	97	1337042	50.984	ug/l	99
36) 1,1-Dichloropropene	6.53	75	1232851	51.749	ug/l	97
37) Ethyl Acetate	5.71	43	823764	50.282	ug/l	98
38) Carbon Tetrachloride	6.50	117	1132026	50.902	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	1374271	50.993	ug/l	97
40) Benzene	6.80	78	3106054	51.153	ug/l	99
41) Methacrylonitrile	5.94	41	452780m	52.767	ug/l	
42) 1,2-Dichloroethane	6.90	62	899687	49.346	ug/l	98
43) Isopropyl Acetate	8.35	43	1014130	46.233	ug/l #	99
44) Trichloroethene	7.74	130	950502	50.665	ug/l	98
45) 1,2-Dichloropropane	8.11	63	821560	50.599	ug/l	99
46) Dibromomethane	8.23	93	528873	49.922	ug/l	94
47) Bromodichloromethane	8.50	83	1176420	51.506	ug/l	98
48) Methyl methacrylate	8.26	41	596311	48.811	ug/l	97
49) 1,4-Dioxane	8.24	88	113580	936.050	ug/l	98
51) 4-Methyl-2-Pentanone	9.35	43	3340536	228.616	ug/l	100
52) Toluene	9.56	92	2000968	51.411	ug/l	98
53) t-1,3-Dichloropropene	9.93	75	1114866	52.335	ug/l	100
54) cis-1,3-Dichloropropene	9.11	75	1320642	51.887	ug/l	99
55) 1,1,2-Trichloroethane	10.20	97	636744	47.119	ug/l	98
56) Ethyl methacrylate	10.04	69	747615	49.878	ug/l	98
57) 1,3-Dichloropropane	10.39	76	1025276	51.399	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.94	63	1839154	254.098	ug/l	99
59) 2-Hexanone	10.50	43	2436651	233.975	ug/l	99
60) Dibromochloromethane	10.65	129	848297	51.575	ug/l	100
61) 1,2-Dibromoethane	10.77	107	693819	49.728	ug/l	97
64) Tetrachloroethene	10.26	164	888737	52.372	ug/l	98
65) Chlorobenzene	11.32	112	2160034	52.237	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.43	131	728342	52.222	ug/l	99
67) Ethyl Benzene	11.44	91	3463869	52.053	ug/l	98
68) m/p-Xylenes	11.57	106	2607780	106.108	ug/l	97
69) o-Xylene	11.94	106	1317454	54.101	ug/l	100
70) Styrene	11.97	104	2182648	53.306	ug/l	99
71) Bromoform	12.12	173	630079	52.582	ug/l	99
73) Isopropylbenzene	12.28	105	3481963	51.050	ug/l	99
74) N-amyl acetate	12.14	43	1322456	48.949	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	753071	48.670	ug/l	99
76) 1,2,3-Trichloropropane	12.61	75	769861	48.470	ug/l	99
77) Bromobenzene	12.55	156	1022489	52.042	ug/l	99
78) n-propylbenzene	12.65	91	4286289	49.974	ug/l	100
79) 2-Chlorotoluene	12.71	91	2413415	49.853	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	2650728	50.704	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	232821	48.559	ug/l	97
82) 4-Chlorotoluene	12.81	91	2680684	50.366	ug/l	100
83) tert-Butylbenzene	13.05	119	3125298	51.603	ug/l	93
84) 1,2,4-Trimethylbenzene	13.10	105	2819468	50.539	ug/l	99
85) sec-Butylbenzene	13.23	105	3648997	50.756	ug/l	99
86) p-Isopropyltoluene	13.34	119	2997358	51.548	ug/l	96
87) 1,3-Dichlorobenzene	13.31	146	1749112	51.194	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	1736198	50.100	ug/l	96
89) n-Butylbenzene	13.65	91	2984011	55.988	ug/l	97
90) Hexachloroethane	13.87	117	742764	51.574	ug/l	93
91) 1,2-Dichlorobenzene	13.67	146	1487391	54.738	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	106686	45.228	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1228553	50.459	ug/l	98
94) Hexachlorobutadiene	14.89	225	838958	52.090	ug/l	98
95) Naphthalene	14.97	128	1786368	47.508	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	1026834	47.857	ug/l	96

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

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