

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110718\
 Data File : VD060292.D
 Acq On : 7 Nov 2018 10:30
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Quant Time: Nov 08 10:29:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1737562	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.45	114	2354740	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1883337	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	968563	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	609415	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
35) Dibromofluoromethane	6.33	113	925331	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
50) Toluene-d8	9.46	98	2719699	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
62) 4-Bromofluorobenzene	12.43	95	975749	52.40	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	728786	53.823	ug/l	96
3) Chloromethane	1.77	50	738561	44.873	ug/l	100
4) Vinyl Chloride	1.86	62	636095	47.324	ug/l	99
5) Bromomethane	2.16	94	170456	53.452	ug/l	99
6) Chloroethane	2.27	64	220007	49.330	ug/l	98
7) Trichlorofluoromethane	2.52	101	773104	48.785	ug/l	96
8) Diethyl Ether	2.83	74	133771	46.624	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.11	101	495231	47.513	ug/l	98
10) Methyl Iodide	3.25	142	611369	45.161	ug/l	96
11) Tert butyl alcohol	3.97	59	128093	250.729	ug/l #	89
12) 1,1-Dichloroethene	3.09	96	394849	46.572	ug/l	98
13) Acrolein	2.99	56	134636	223.032	ug/l	95
14) Allyl chloride	3.54	41	790194	48.711	ug/l	99
15) Acrylonitrile	4.09	53	723860	242.972	ug/l	100
16) Acetone	3.17	43	572136	265.116	ug/l	100
17) Carbon Disulfide	3.32	76	1284978	46.956	ug/l	99
18) Methyl Acetate	3.57	43	216969	47.152	ug/l	99
19) Methyl tert-butyl Ether	4.13	73	1276267	50.273	ug/l	100
20) Methylene Chloride	3.73	84	886522	46.309	ug/l	99
21) trans-1,2-Dichloroethene	4.11	96	957270	50.852	ug/l	99
22) Diisopropyl ether	4.87	45	3052775	50.371	ug/l	99
23) Vinyl Acetate	4.81	43	7527646	249.617	ug/l	99
24) 1,1-Dichloroethane	4.77	63	1576911	50.739	ug/l	100
25) 2-Butanone	5.63	43	1170637	260.973	ug/l	100
26) 2,2-Dichloropropane	5.60	77	1289905	53.385	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	1021110	52.068	ug/l	97
28) Bromochloromethane	5.93	49	682749	49.789	ug/l	96
29) Tetrahydrofuran	5.96	42	566586	239.574	ug/l	99
30) Chloroform	6.11	83	1589012	51.144	ug/l	100
31) Cyclohexane	6.37	56	1446018	48.680	ug/l	98
32) 1,1,1-Trichloroethane	6.29	97	1357850	51.883	ug/l	99
36) 1,1-Dichloropropene	6.53	75	1209545	51.993	ug/l	97
37) Ethyl Acetate	5.70	43	556035	51.941	ug/l	99
38) Carbon Tetrachloride	6.50	117	1122758	52.027	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	1413643	52.833	ug/l	98
40) Benzene	6.81	78	3059946	51.529	ug/l	99
41) Methacrylonitrile	5.95	41	610831	49.854	ug/l	99
42) 1,2-Dichloroethane	6.90	62	803574	51.699	ug/l	98
43) Isopropyl Acetate	8.35	43	698277	51.929	ug/l #	97
44) Trichloroethene	7.74	130	969485	53.856	ug/l	98
45) 1,2-Dichloropropane	8.11	63	793516	52.984	ug/l	98
46) Dibromomethane	8.22	93	459743	52.413	ug/l	97
47) Bromodichloromethane	8.50	83	1092509	52.855	ug/l #	96
48) Methyl methacrylate	8.25	41	433391	53.060	ug/l	95
49) 1,4-Dioxane	8.23	88	77097	1090.920	ug/l #	89
51) 4-Methyl-2-Pentanone	9.35	43	2232277	255.057	ug/l	99
52) Toluene	9.55	92	1976496	52.105	ug/l	100
53) t-1,3-Dichloropropene	9.93	75	941112	53.887	ug/l	100
54) cis-1,3-Dichloropropene	9.11	75	1219167	54.427	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	555342	50.511	ug/l	99
56) Ethyl methacrylate	10.03	69	539564	53.376	ug/l	99
57) 1,3-Dichloropropane	10.39	76	863965	51.571	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.93	63	1600683	261.879	ug/l	97
59) 2-Hexanone	10.50	43	1695368	271.784	ug/l	97
60) Dibromochloromethane	10.64	129	739635	55.342	ug/l	100
61) 1,2-Dibromoethane	10.76	107	582498	52.878	ug/l	99
64) Tetrachloroethene	10.26	164	904604	53.803	ug/l	97
65) Chlorobenzene	11.31	112	2130686	52.214	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	682562	51.122	ug/l	96
67) Ethyl Benzene	11.43	91	3438403	49.257	ug/l	100
68) m/p-Xylenes	11.57	106	2636739	102.397	ug/l	100
69) o-Xylene	11.93	106	1306172	52.505	ug/l	99
70) Styrene	11.96	104	2130078	52.982	ug/l	99
71) Bromoform	12.12	173	488806	54.482	ug/l	100
73) Isopropylbenzene	12.28	105	3561354	50.468	ug/l	99
74) N-amyl acetate	12.14	43	900510	49.774	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	567269	49.153	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	577520	49.845	ug/l	99
77) Bromobenzene	12.54	156	933031	49.776	ug/l	95
78) n-propylbenzene	12.64	91	4334712	49.213	ug/l	99
79) 2-Chlorotoluene	12.71	91	2404884	49.851	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	2686102	48.979	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	170695	51.748	ug/l	96
82) 4-Chlorotoluene	12.81	91	2672058	49.309	ug/l	99
83) tert-Butylbenzene	13.05	119	3135025	51.490	ug/l	92
84) 1,2,4-Trimethylbenzene	13.09	105	2792572	50.987	ug/l	98
85) sec-Butylbenzene	13.22	105	3867862	51.779	ug/l	98
86) p-Isopropyltoluene	13.34	119	3117403	51.822	ug/l	96
87) 1,3-Dichlorobenzene	13.31	146	1699593	50.964	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	1671087	51.308	ug/l	95
89) n-Butylbenzene	13.65	91	3071794	53.052	ug/l	97
90) Hexachloroethane	13.86	117	777838	54.531	ug/l	90
91) 1,2-Dichlorobenzene	13.67	146	1373648	50.147	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	72383	51.958	ug/l	73

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1128112	51.943	ug/l	98
94) Hexachlorobutadiene	14.89	225	834325	51.360	ug/l	99
95) Naphthalene	14.97	128	1344031	50.681	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	912705	52.444	ug/l	96

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

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