

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051519\
 Data File : VD062387.D
 Acq On : 15 May 2019 14:47
 Operator : FY/SY
 Sample : VD0515SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0515SBS01

Quant Time: May 16 03:56:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	655920	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.23	114	909640	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	761671	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	397555	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	325762	53.44	ug/l	0.04
Spiked Amount	50.000		Recovery	=	106.88%	
35) Dibromofluoromethane	6.94	113	390370	51.72	ug/l	0.04
Spiked Amount	50.000		Recovery	=	103.44%	
50) Toluene-d8	10.42	98	815176	44.80	ug/l	0.02
Spiked Amount	50.000		Recovery	=	89.60%	
62) 4-Bromofluorobenzene	13.56	95	370948	50.76	ug/l	0.01
Spiked Amount	50.000		Recovery	=	101.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	93936	14.974	ug/l	98
3) Chloromethane	1.75	50	67446	14.879	ug/l	94
4) Vinyl Chloride	1.86	62	64811	14.548	ug/l	96
5) Bromomethane	2.16	94	23916	22.911	ug/l	93
6) Chloroethane	2.26	64	32622	17.451	ug/l	98
7) Trichlorofluoromethane	2.54	101	182128	21.029	ug/l	94
8) Diethyl Ether	2.88	74	23769	14.230	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.16	101	109402	16.698	ug/l	98
10) Methyl Iodide	3.32	142	103652	10.468	ug/l #	79
11) Tert butyl alcohol	4.09	59	27237	87.538	ug/l	99
12) 1,1-Dichloroethene	3.13	96	74974	14.991	ug/l	85
13) Acrolein	3.04	56	25497	79.228	ug/l #	63
14) Allyl chloride	3.63	41	120597	16.584	ug/l #	77
15) Acrylonitrile	4.20	53	67697	82.776	ug/l #	89
16) Acetone	3.23	43	127672	99.876	ug/l #	85
17) Carbon Disulfide	3.39	76	181832	12.639	ug/l	100
18) Methyl Acetate	3.65	43	37863	16.357	ug/l	99
19) Methyl tert-butyl Ether	4.25	73	193813	18.080	ug/l	93
20) Methylene Chloride	3.83	84	86577	16.221	ug/l #	83
21) trans-1,2-Dichloroethene	4.23	96	89390	16.062	ug/l	98
22) Diisopropyl ether	5.14	45	275520	17.805	ug/l	92
23) Vinyl Acetate	5.08	43	766033	93.826	ug/l	96
24) 1,1-Dichloroethane	5.00	63	165185	17.695	ug/l	100
25) 2-Butanone	6.08	43	133804	95.964	ug/l #	90
26) 2,2-Dichloropropane	6.04	77	182651	19.642	ug/l	88
27) cis-1,2-Dichloroethene	6.05	96	100697	16.165	ug/l	86
28) Bromochloromethane	6.45	49	89293	24.312	ug/l	80
29) Tetrahydrofuran	6.48	42	55886	86.989	ug/l	90
30) Chloroform	6.68	83	217629	19.344	ug/l	96
31) Cyclohexane	6.96	56	106139	16.596	ug/l	95
32) 1,1,1-Trichloroethane	6.89	97	209702	19.720	ug/l	97
36) 1,1-Dichloropropene	7.16	75	133471	17.896	ug/l	95
37) Ethyl Acetate	6.19	43	59219	18.723	ug/l	95
38) Carbon Tetrachloride	7.12	117	199130	19.290	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	117461	16.438	ug/l	98
40) Benzene	7.47	78	269980	16.031	ug/l	95
41) Methacrylonitrile	6.46	41	69455	17.969	ug/l #	90
42) 1,2-Dichloroethane	7.59	62	144455	20.245	ug/l	92
43) Isopropyl Acetate	9.25	43	76686	17.096	ug/l	100
44) Trichloroethene	8.55	130	100305	15.630	ug/l	73
45) 1,2-Dichloropropane	8.96	63	72479	17.399	ug/l	100
46) Dibromomethane	9.07	93	62913	18.572	ug/l	99
47) Bromodichloromethane	9.39	83	150026	18.106	ug/l	98
48) Methyl methacrylate	9.13	41	51878	18.776	ug/l #	84
49) 1,4-Dioxane	9.09	88	9175	307.765	ug/l	92
51) 4-Methyl-2-Pentanone	10.31	43	265996	92.249	ug/l	92
52) Toluene	10.52	92	177438	16.193	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	127833	17.850	ug/l	96
54) cis-1,3-Dichloropropene	10.05	75	134169	17.173	ug/l #	88
55) 1,1,2-Trichloroethane	11.20	97	64891	16.737	ug/l	95
56) Ethyl methacrylate	11.05	69	70142	17.410	ug/l #	77
57) 1,3-Dichloropropane	11.42	76	96744	16.517	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.87	63	239234	108.707	ug/l	100
59) 2-Hexanone	11.54	43	210661	99.124	ug/l	91
60) Dibromochloromethane	11.69	129	116924	17.450	ug/l	97
61) 1,2-Dibromoethane	11.81	107	76753	16.283	ug/l	93
64) Tetrachloroethene	11.27	164	95984	16.116	ug/l	93
65) Chlorobenzene	12.41	112	241047	16.991	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	109582	17.749	ug/l	95
67) Ethyl Benzene	12.53	91	426909	17.975	ug/l	94
68) m/p-Xylenes	12.68	106	282861	32.735	ug/l	80
69) o-Xylene	13.06	106	135169	16.826	ug/l	91
70) Styrene	13.08	104	216877	15.937	ug/l	95
71) Bromoform	13.25	173	70433	16.397	ug/l #	96
73) Isopropylbenzene	13.41	105	380203	15.954	ug/l	92
74) N-amyl acetate	13.28	43	111850	17.902	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	77162	17.104	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	83671	17.710	ug/l	96
77) Bromobenzene	13.68	156	107506	16.115	ug/l	97
78) n-propylbenzene	13.78	91	510782	17.968	ug/l	92
79) 2-Chlorotoluene	13.85	91	276448	16.980	ug/l	90
80) 1,3,5-Trimethylbenzene	13.94	105	356390	17.760	ug/l	91
81) trans-1,4-Dichloro-2-buten	13.48	75	21250	15.932	ug/l #	83
82) 4-Chlorotoluene	13.95	91	349708	18.253	ug/l	86
83) tert-Butylbenzene	14.20	119	400482	17.755	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	389168	19.325	ug/l	88
85) sec-Butylbenzene	14.38	105	458030	18.521	ug/l	97
86) p-Isopropyltoluene	14.50	119	324820	14.701	ug/l	90
87) 1,3-Dichlorobenzene	14.47	146	209782	17.214	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	211361	17.652	ug/l	98
89) n-Butylbenzene	14.80	91	398247	20.081	ug/l	92
90) Hexachloroethane	15.02	117	103547	17.233	ug/l	70
91) 1,2-Dichlorobenzene	14.81	146	187440	18.676	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.39	75	12021	16.232	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	135990	18.616	ug/l	96
94) Hexachlorobutadiene	16.04	225	103066	18.969	ug/l	96
95) Naphthalene	16.13	128	172359	16.900	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	97300	21.184	ug/l	98

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

