

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041719\
 Data File : VD061865.D
 Acq On : 17 Apr 2019 21:05
 Operator : VA/AP
 Sample : VD0417SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Quant Time: Apr 18 01:08:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	418968	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	8.19	114	633830	50.00	ug/l	-0.07
63) Chlorobenzene-d5	12.35	117	593310	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	14.51	152	301295	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	223885	63.76	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	127.52%	
35) Dibromofluoromethane	6.90	113	277135	57.87	ug/l	-0.07
Spiked Amount	50.000		Recovery	=	115.74%	
50) Toluene-d8	10.39	98	626648	55.23	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	110.46%	
62) 4-Bromofluorobenzene	13.54	95	275542	59.92	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	119.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	68494	16.750	ug/l	98
3) Chloromethane	1.74	50	62376	19.140	ug/l	98
4) Vinyl Chloride	1.83	62	63031	19.488	ug/l	95
5) Bromomethane	2.14	94	16429	20.526	ug/l	98
6) Chloroethane	2.24	64	21706	19.672	ug/l	98
7) Trichlorofluoromethane	2.51	101	111083	21.176	ug/l	97
8) Diethyl Ether	2.85	74	30152	21.933	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.13	101	97828	20.916	ug/l	99
10) Methyl Iodide	3.29	142	107415	16.889	ug/l	97
11) Tert butyl alcohol	4.03	59	26831	129.573	ug/l #	95
12) 1,1-Dichloroethene	3.11	96	77532	19.718	ug/l	97
13) Acrolein	3.01	56	21886	109.177	ug/l	98
14) Allyl chloride	3.60	41	117094	21.847	ug/l	98
15) Acrylonitrile	4.16	53	76615	117.854	ug/l	96
16) Acetone	3.20	43	90697	104.802	ug/l	96
17) Carbon Disulfide	3.36	76	227629	17.917	ug/l	99
18) Methyl Acetate	3.61	43	46561	26.843	ug/l	94
19) Methyl tert-butyl Ether	4.20	73	169830	23.144	ug/l	99
20) Methylene Chloride	3.79	84	115739	24.573	ug/l	95
21) trans-1,2-Dichloroethene	4.19	96	83380	19.295	ug/l	96
22) Diisopropyl ether	5.09	45	252193	22.013	ug/l	95
23) Vinyl Acetate	5.02	43	716723	117.027	ug/l	98
24) 1,1-Dichloroethane	4.95	63	150274	21.634	ug/l	99
25) 2-Butanone	6.04	43	113063	114.756	ug/l	99
26) 2,2-Dichloropropane	6.00	77	118282	19.701	ug/l	96
27) cis-1,2-Dichloroethene	6.01	96	98321	20.989	ug/l	96
28) Bromochloromethane	6.41	49	59133	22.412	ug/l	92
29) Tetrahydrofuran	6.44	42	58807	122.533	ug/l	98
30) Chloroform	6.63	83	176561	22.789	ug/l	100
31) Cyclohexane	6.93	56	93084	17.505	ug/l	98
32) 1,1,1-Trichloroethane	6.84	97	134397	19.569	ug/l	98
36) 1,1-Dichloropropene	7.12	75	118061	22.794	ug/l	97
37) Ethyl Acetate	6.15	43	59327	26.763	ug/l	94
38) Carbon Tetrachloride	7.09	117	137969	21.096	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	108511	20.175	ug/l	95
40) Benzene	7.43	78	299260	24.067	ug/l	94
41) Methacrylonitrile	6.43	41	66661	25.442	ug/l #	87
42) 1,2-Dichloroethane	7.56	62	110757	25.575	ug/l	97
43) Isopropyl Acetate	9.22	43	78062	25.024	ug/l	98
44) Trichloroethene	8.51	130	106545	22.258	ug/l	99
45) 1,2-Dichloropropane	8.92	63	72013	22.234	ug/l	93
46) Dibromomethane	9.05	93	59954	25.978	ug/l	91
47) Bromodichloromethane	9.36	83	128906	24.211	ug/l	96
48) Methyl methacrylate	9.10	41	49455	26.970	ug/l	96
49) 1,4-Dioxane	9.06	88	10895	543.600	ug/l #	87
51) 4-Methyl-2-Pentanone	10.28	43	262867	137.794	ug/l	99
52) Toluene	10.49	92	186800	23.442	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	118878	24.779	ug/l	98
54) cis-1,3-Dichloropropene	10.02	75	132497	23.528	ug/l	95
55) 1,1,2-Trichloroethane	11.17	97	68884	25.654	ug/l	97
56) Ethyl methacrylate	11.02	69	70818	24.031	ug/l	98
57) 1,3-Dichloropropane	11.39	76	101671	25.187	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.83	63	208624	148.835	ug/l	99
59) 2-Hexanone	11.52	43	170004	119.985	ug/l	98
60) Dibromochloromethane	11.67	129	118172	26.897	ug/l	99
61) 1,2-Dibromoethane	11.79	107	85786	25.983	ug/l	99
64) Tetrachloroethene	11.24	164	87374	19.636	ug/l	92
65) Chlorobenzene	12.38	112	235997	21.358	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	101016	21.816	ug/l	97
67) Ethyl Benzene	12.51	91	390586	22.073	ug/l	97
68) m/p-Xylenes	12.66	106	284706	42.834	ug/l	99
69) o-Xylene	13.04	106	138146	22.112	ug/l	99
70) Styrene	13.06	104	233124	21.684	ug/l	99
71) Bromoform	13.22	173	64019	23.292	ug/l	98
73) Isopropylbenzene	13.40	105	335526	17.171	ug/l	98
74) N-amyl acetate	13.26	43	107162	20.395	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	84163	21.790	ug/l	98
76) 1,2,3-Trichloropropane	13.72	75	83910	21.207	ug/l	98
77) Bromobenzene	13.66	156	97981	17.652	ug/l	95
78) n-propylbenzene	13.76	91	475735	21.073	ug/l	95
79) 2-Chlorotoluene	13.83	91	257562	19.530	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	299214	19.299	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	23814	20.657	ug/l	97
82) 4-Chlorotoluene	13.94	91	296926	19.670	ug/l	94
83) tert-Butylbenzene	14.18	119	346919	19.056	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	324160	20.800	ug/l	99
85) sec-Butylbenzene	14.36	105	343895	18.273	ug/l	97
86) p-Isopropyltoluene	14.48	119	347152	19.715	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	201814	20.827	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	183302	19.137	ug/l	98
89) n-Butylbenzene	14.79	91	292626	18.774	ug/l	98
90) Hexachloroethane	15.00	117	86024	17.924	ug/l	87
91) 1,2-Dichlorobenzene	14.79	146	153760	18.944	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	12069	25.459	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	95234	21.363	ug/l	97
94) Hexachlorobutadiene	16.04	225	65808	20.370	ug/l	100
95) Naphthalene	16.11	128	160533	23.494	ug/l	100
96) 1,2,3-Trichlorobenzene	16.26	180	57404	22.596	ug/l	96

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

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