

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061519.D
 Acq On : 2 Apr 2019 17:30
 Operator : VA/AP
 Sample : VD0402SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS02

Quant Time: Apr 03 01:53:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	708740	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.22	114	1181763	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	961119	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	461651	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	291290	48.11	ug/l	0.03
Spiked Amount	50.000		Recovery	=	96.22%	
35) Dibromofluoromethane	6.93	113	412994	45.73	ug/l	0.03
Spiked Amount	50.000		Recovery	=	91.46%	
50) Toluene-d8	10.41	98	994554	45.92	ug/l	0.03
Spiked Amount	50.000		Recovery	=	91.84%	
62) 4-Bromofluorobenzene	13.55	95	404519	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	152710	20.176	ug/l	97
3) Chloromethane	1.77	50	126522	20.496	ug/l	99
4) Vinyl Chloride	1.87	62	124549	21.975	ug/l	94
5) Bromomethane	2.16	94	20707	18.424	ug/l #	96
6) Chloroethane	2.27	64	28323	17.040	ug/l	99
7) Trichlorofluoromethane	2.54	101	176191	21.378	ug/l	97
8) Diethyl Ether	2.88	74	55288	20.835	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.16	101	186374	21.034	ug/l	95
10) Methyl Iodide	3.31	142	241705	20.166	ug/l	97
11) Tert butyl alcohol	4.07	59	41883	111.082	ug/l	98
12) 1,1-Dichloroethene	3.14	96	156004	20.507	ug/l	95
13) Acrolein	3.05	56	27515	80.217	ug/l	90
14) Allyl chloride	3.63	41	223811	21.093	ug/l	97
15) Acrylonitrile	4.20	53	146147	111.678	ug/l	96
16) Acetone	3.23	43	152580	98.036	ug/l	96
17) Carbon Disulfide	3.38	76	486557	19.685	ug/l	100
18) Methyl Acetate	3.65	43	72380	22.119	ug/l	95
19) Methyl tert-butyl Ether	4.25	73	289000	21.947	ug/l	98
20) Methylene Chloride	3.82	84	202475	22.154	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	176202	21.453	ug/l	98
22) Diisopropyl ether	5.12	45	484469	21.577	ug/l	97
23) Vinyl Acetate	5.06	43	1374507	112.696	ug/l	100
24) 1,1-Dichloroethane	5.00	63	275402	20.871	ug/l	99
25) 2-Butanone	6.07	43	198949	101.620	ug/l	99
26) 2,2-Dichloropropane	6.03	77	227119	21.651	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	192080	21.345	ug/l	97
28) Bromochloromethane	6.44	49	102518	19.246	ug/l #	95
29) Tetrahydrofuran	6.46	42	100057	105.443	ug/l	98
30) Chloroform	6.67	83	294963	21.633	ug/l	100
31) Cyclohexane	6.97	56	222713	21.358	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	269528	22.407	ug/l	97
36) 1,1-Dichloropropene	7.15	75	228397	22.144	ug/l	99
37) Ethyl Acetate	6.19	43	97943	22.204	ug/l	99
38) Carbon Tetrachloride	7.11	117	254515	21.475	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	231391	21.541	ug/l	97
40) Benzene	7.46	78	613395	23.696	ug/l	98
41) Methacrylonitrile	6.44	41	109341	21.200	ug/l	97
42) 1,2-Dichloroethane	7.58	62	179131	23.134	ug/l	99
43) Isopropyl Acetate	9.24	43	142211	22.158	ug/l	96
44) Trichloroethene	8.54	130	218573	22.689	ug/l	98
45) 1,2-Dichloropropane	8.94	63	148058	22.557	ug/l	96
46) Dibromomethane	9.06	93	98794	22.362	ug/l	95
47) Bromodichloromethane	9.38	83	223197	22.509	ug/l	99
48) Methyl methacrylate	9.12	41	80875	22.833	ug/l	94
49) 1,4-Dioxane	9.08	88	18704	478.748	ug/l	95
51) 4-Methyl-2-Pentanone	10.30	43	466812	119.551	ug/l	97
52) Toluene	10.51	92	384130	24.324	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	199455	22.139	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	248039	22.611	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	118748	21.501	ug/l	99
56) Ethyl methacrylate	11.04	69	133381	22.481	ug/l	98
57) 1,3-Dichloropropane	11.41	76	195172	24.043	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	369004	127.711	ug/l	99
59) 2-Hexanone	11.53	43	353048	124.793	ug/l	99
60) Dibromochloromethane	11.68	129	181312	21.295	ug/l	95
61) 1,2-Dibromoethane	11.80	107	143031	22.365	ug/l	95
64) Tetrachloroethene	11.26	164	167832	22.250	ug/l	97
65) Chlorobenzene	12.40	112	426541	21.716	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	181315	23.841	ug/l	98
67) Ethyl Benzene	12.52	91	746929	24.913	ug/l	95
68) m/p-Xylenes	12.67	106	505733	44.531	ug/l	97
69) o-Xylene	13.05	106	247375	22.446	ug/l	98
70) Styrene	13.07	104	428366	22.297	ug/l	96
71) Bromoform	13.24	173	95874	19.887	ug/l	98
73) Isopropylbenzene	13.40	105	699712	21.777	ug/l	99
74) N-amyl acetate	13.27	43	184298	20.591	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	140146	20.677	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	139549	20.926	ug/l	99
77) Bromobenzene	13.67	156	176367	18.516	ug/l	87
78) n-propylbenzene	13.78	91	809452	20.586	ug/l	100
79) 2-Chlorotoluene	13.84	91	437040	20.470	ug/l	93
80) 1,3,5-Trimethylbenzene	13.94	105	553950	22.221	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	43156	21.225	ug/l #	91
82) 4-Chlorotoluene	13.95	91	525222	22.625	ug/l	93
83) tert-Butylbenzene	14.19	119	605047	19.420	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	553773	20.518	ug/l	98
85) sec-Butylbenzene	14.37	105	629580	19.022	ug/l	100
86) p-Isopropyltoluene	14.49	119	582665	20.819	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	354082	21.952	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	338770	21.536	ug/l	97
89) n-Butylbenzene	14.80	91	551684	21.477	ug/l	98
90) Hexachloroethane	15.01	117	156872	19.841	ug/l	85
91) 1,2-Dichlorobenzene	14.81	146	282944	21.385	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	17112	21.526	ug/l	61

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	137520	22.817	ug/l	96
94) Hexachlorobutadiene	16.03	225	106655	22.646	ug/l	97
95) Naphthalene	16.12	128	195339	21.263	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	57903	21.832	ug/l	99

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

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