

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041919\
 Data File : VD061928.D
 Acq On : 20 Apr 2019 3:02
 Operator : VA/AP
 Sample : VD9419SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD9419SBS02

Quant Time: Apr 20 04:15:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	462500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	793231	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	637382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	332782	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	217151	56.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.04%	
35) Dibromofluoromethane	6.94	113	320240	53.44	ug/l	0.02
Spiked Amount	50.000		Recovery	=	106.88%	
50) Toluene-d8	10.42	98	697417	49.11	ug/l	0.02
Spiked Amount	50.000		Recovery	=	98.22%	
62) 4-Bromofluorobenzene	13.56	95	281161	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	86939	19.259	ug/l	99
3) Chloromethane	1.75	50	75670	21.034	ug/l	96
4) Vinyl Chloride	1.85	62	67985	19.041	ug/l	98
5) Bromomethane	2.15	94	19581	22.478	ug/l #	90
6) Chloroethane	2.25	64	22316	18.322	ug/l	92
7) Trichlorofluoromethane	2.53	101	106527	18.396	ug/l	96
8) Diethyl Ether	2.87	74	29023	19.125	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.15	101	100583	19.481	ug/l	96
10) Methyl Iodide	3.31	142	103142	15.148	ug/l	98
11) Tert butyl alcohol	4.07	59	26880	117.591	ug/l	97
12) 1,1-Dichloroethene	3.13	96	81648	18.810	ug/l	98
13) Acrolein	3.04	56	15956	72.104	ug/l	92
14) Allyl chloride	3.62	41	110539	18.683	ug/l	97
15) Acrylonitrile	4.20	53	78151	108.902	ug/l	99
16) Acetone	3.23	43	85904	89.920	ug/l	97
17) Carbon Disulfide	3.39	76	226078	16.120	ug/l	99
18) Methyl Acetate	3.65	43	41361	21.601	ug/l	95
19) Methyl tert-butyl Ether	4.25	73	191641	23.658	ug/l	94
20) Methylene Chloride	3.83	84	120154	22.808	ug/l	95
21) trans-1,2-Dichloroethene	4.23	96	94890	19.892	ug/l	96
22) Diisopropyl ether	5.13	45	269724	21.327	ug/l	93
23) Vinyl Acetate	5.07	43	766776	113.416	ug/l	99
24) 1,1-Dichloroethane	5.00	63	164448	21.446	ug/l	98
25) 2-Butanone	6.08	43	135979	125.024	ug/l	99
26) 2,2-Dichloropropane	6.03	77	138444	20.888	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	123502	23.882	ug/l	98
28) Bromochloromethane	6.45	49	69009	23.693	ug/l	94
29) Tetrahydrofuran	6.47	42	63769	120.365	ug/l	96
30) Chloroform	6.67	83	211094	24.682	ug/l	97
31) Cyclohexane	6.97	56	113993	19.419	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	178221	23.507	ug/l	98
36) 1,1-Dichloropropene	7.16	75	139814	21.570	ug/l	97
37) Ethyl Acetate	6.19	43	67220	24.230	ug/l	94
38) Carbon Tetrachloride	7.13	117	169452	20.703	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	119109	17.695	ug/l	95
40) Benzene	7.47	78	320227	20.578	ug/l	96
41) Methacrylonitrile	6.46	41	79228	24.162	ug/l	97
42) 1,2-Dichloroethane	7.59	62	120535	22.240	ug/l	100
43) Isopropyl Acetate	9.25	43	95454	24.450	ug/l	96
44) Trichloroethene	8.55	130	124512	20.784	ug/l	91
45) 1,2-Dichloropropane	8.95	63	82435	20.337	ug/l	98
46) Dibromomethane	9.08	93	68021	23.551	ug/l	99
47) Bromodichloromethane	9.39	83	160849	24.140	ug/l	100
48) Methyl methacrylate	9.13	41	55003	23.968	ug/l	93
49) 1,4-Dioxane	9.10	88	11904	474.590	ug/l	90
51) 4-Methyl-2-Pentanone	10.32	43	303036	126.929	ug/l	95
52) Toluene	10.52	92	217453	21.805	ug/l	97
53) t-1,3-Dichloropropene	10.93	75	128794	21.451	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	156922	22.265	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	72148	21.470	ug/l	98
56) Ethyl methacrylate	11.05	69	96371	26.130	ug/l	94
57) 1,3-Dichloropropane	11.42	76	116072	22.976	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	224972	128.246	ug/l	99
59) 2-Hexanone	11.54	43	209993	118.425	ug/l	99
60) Dibromochloromethane	11.69	129	124110	22.572	ug/l	96
61) 1,2-Dibromoethane	11.81	107	98877	23.930	ug/l	95
64) Tetrachloroethene	11.27	164	109512	22.910	ug/l	98
65) Chlorobenzene	12.41	112	261652	22.043	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	119806	24.084	ug/l	96
67) Ethyl Benzene	12.53	91	447758	23.555	ug/l	98
68) m/p-Xylenes	12.68	106	300603	42.098	ug/l	95
69) o-Xylene	13.06	106	156821	23.366	ug/l	92
70) Styrene	13.08	104	274880	23.800	ug/l	100
71) Bromoform	13.24	173	75223	25.476	ug/l #	93
73) Isopropylbenzene	13.41	105	463827	21.491	ug/l	99
74) N-amyl acetate	13.27	43	123955	21.359	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	96345	22.584	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	96418	22.062	ug/l	99
77) Bromobenzene	13.68	156	126642	20.657	ug/l	94
78) n-propylbenzene	13.78	91	535080	21.459	ug/l	99
79) 2-Chlorotoluene	13.85	91	290035	19.911	ug/l	100
80) 1,3,5-Trimethylbenzene	13.94	105	353269	20.629	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	25298	19.995	ug/l	85
82) 4-Chlorotoluene	13.96	91	351707	21.095	ug/l	96
83) tert-Butylbenzene	14.19	119	393839	19.587	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	380855	22.125	ug/l	98
85) sec-Butylbenzene	14.37	105	455505	21.914	ug/l	99
86) p-Isopropyltoluene	14.50	119	361498	18.587	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	216538	20.232	ug/l	100
88) 1,4-Dichlorobenzene	14.54	146	220861	20.876	ug/l	98
89) n-Butylbenzene	14.81	91	354764	20.607	ug/l	97
90) Hexachloroethane	15.01	117	102200	19.280	ug/l	96
91) 1,2-Dichlorobenzene	14.82	146	198416	22.132	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	12441	23.921	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	102355	20.788	ug/l	98
94) Hexachlorobutadiene	16.05	225	71273	19.974	ug/l	98
95) Naphthalene	16.13	128	175506	23.255	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	65884	23.480	ug/l	96

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

