

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041019\
 Data File : VD061732.D
 Acq On : 11 Apr 2019 10:29
 Operator : VA/AP
 Sample : VD0410SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0410SBS02

Quant Time: Apr 11 11:14:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	672890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1053967	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	984760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	432203	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	236770	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	
35) Dibromofluoromethane	6.91	113	364728	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	10.40	98	871916	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	
62) 4-Bromofluorobenzene	13.55	95	319455	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	127304	17.536	ug/l	100
3) Chloromethane	1.76	50	112057	19.102	ug/l	94
4) Vinyl Chloride	1.85	62	107439	19.600	ug/l	97
5) Bromomethane	2.16	94	20273	15.978	ug/l	98
6) Chloroethane	2.26	64	31185	18.163	ug/l	94
7) Trichlorofluoromethane	2.53	101	171027	20.664	ug/l	96
8) Diethyl Ether	2.88	74	40954	17.631	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.15	101	160898	19.773	ug/l	89
10) Methyl Iodide	3.31	142	209745	19.676	ug/l	98
11) Tert butyl alcohol	4.07	59	34983	102.341	ug/l	95
12) 1,1-Dichloroethene	3.13	96	135657	19.339	ug/l	98
13) Acrolein	3.04	56	24359	58.448	ug/l	89
14) Allyl chloride	3.63	41	165700	17.319	ug/l	98
15) Acrylonitrile	4.20	53	107476	91.338	ug/l	96
16) Acetone	3.22	43	138772	91.016	ug/l	99
17) Carbon Disulfide	3.37	76	404811	17.760	ug/l	100
18) Methyl Acetate	3.65	43	53452	18.633	ug/l	94
19) Methyl tert-butyl Ether	4.24	73	248493	20.459	ug/l	97
20) Methylene Chloride	3.81	84	162758	18.812	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	149181	19.581	ug/l	99
22) Diisopropyl ether	5.12	45	386885	19.287	ug/l	98
23) Vinyl Acetate	5.05	43	1019862	92.142	ug/l	100
24) 1,1-Dichloroethane	4.99	63	227346	18.495	ug/l	99
25) 2-Butanone	6.07	43	167214	95.131	ug/l	100
26) 2,2-Dichloropropane	6.03	77	202990	20.281	ug/l	96
27) cis-1,2-Dichloroethene	6.04	96	159045	19.568	ug/l	97
28) Bromochloromethane	6.43	49	84836	18.709	ug/l	91
29) Tetrahydrofuran	6.45	42	78849	92.926	ug/l	98
30) Chloroform	6.66	83	254162	19.737	ug/l	99
31) Cyclohexane	6.95	56	176352	18.364	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	224277	19.875	ug/l	99
36) 1,1-Dichloropropene	7.14	75	195100	21.151	ug/l	99
37) Ethyl Acetate	6.18	43	78041	20.772	ug/l #	96
38) Carbon Tetrachloride	7.11	117	231544	21.418	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	202430	21.376	ug/l	97
40) Benzene	7.45	78	452268	20.324	ug/l	98
41) Methacrylonitrile	6.44	41	89337	20.369	ug/l	95
42) 1,2-Dichloroethane	7.57	62	153935	21.996	ug/l	99
43) Isopropyl Acetate	9.23	43	108658	19.927	ug/l #	98
44) Trichloroethene	8.54	130	182004	21.334	ug/l	95
45) 1,2-Dichloropropane	8.93	63	111602	20.223	ug/l	95
46) Dibromomethane	9.05	93	79294	20.104	ug/l	96
47) Bromodichloromethane	9.37	83	192571	22.230	ug/l	96
48) Methyl methacrylate	9.11	41	62901	20.012	ug/l	95
49) 1,4-Dioxane	9.07	88	13698	394.829	ug/l	91
51) 4-Methyl-2-Pentanone	10.29	43	353372	109.583	ug/l	98
52) Toluene	10.50	92	281963	20.291	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	170822	22.496	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	208531	22.278	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	92411	19.718	ug/l	97
56) Ethyl methacrylate	11.04	69	112466	22.748	ug/l	94
57) 1,3-Dichloropropane	11.40	76	155205	22.614	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	273590	117.278	ug/l	99
59) 2-Hexanone	11.52	43	259317	103.618	ug/l	99
60) Dibromochloromethane	11.68	129	162419	21.935	ug/l	98
61) 1,2-Dibromoethane	11.80	107	122948	22.432	ug/l	93
64) Tetrachloroethene	11.25	164	141925	18.567	ug/l	96
65) Chlorobenzene	12.39	112	388776	19.908	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	155338	20.671	ug/l	98
67) Ethyl Benzene	12.52	91	619848	20.843	ug/l	98
68) m/p-Xylenes	12.66	106	426747	37.222	ug/l	97
69) o-Xylene	13.04	106	188974	17.075	ug/l	100
70) Styrene	13.07	104	321763	17.024	ug/l	100
71) Bromoform	13.23	173	92440	19.826	ug/l	98
73) Isopropylbenzene	13.39	105	559650	19.434	ug/l	100
74) N-amyl acetate	13.25	43	152531	19.494	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	115546	19.405	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	117550	19.991	ug/l	95
77) Bromobenzene	13.67	156	156591	18.733	ug/l	80
78) n-propylbenzene	13.77	91	740750	21.503	ug/l	99
79) 2-Chlorotoluene	13.84	91	397341	20.170	ug/l	97
80) 1,3,5-Trimethylbenzene	13.92	105	477670	20.898	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	35670	19.990	ug/l	97
82) 4-Chlorotoluene	13.94	91	458852	21.257	ug/l	99
83) tert-Butylbenzene	14.18	119	517913	18.793	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	469081	20.334	ug/l	99
85) sec-Butylbenzene	14.36	105	581270	19.522	ug/l	100
86) p-Isopropyltoluene	14.49	119	528198	20.449	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	275867	19.176	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	283901	19.559	ug/l	99
89) n-Butylbenzene	14.79	91	476697	21.232	ug/l	99
90) Hexachloroethane	15.01	117	129138	18.425	ug/l	66
91) 1,2-Dichlorobenzene	14.80	146	231456	19.521	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	14170	19.720	ug/l	49

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	122505	20.280	ug/l	98
94) Hexachlorobutadiene	16.03	225	88751	19.028	ug/l	98
95) Naphthalene	16.12	128	187522	19.619	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	58960	19.557	ug/l	97

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

