

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061226.D
 Acq On : 21 Mar 2019 1:25
 Operator : VA/AP
 Sample : VD0320SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBS02

Quant Time: Mar 22 02:05:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	560709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1036443	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	779313	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	342676	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	252830	54.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.34%	
35) Dibromofluoromethane	6.92	113	402597	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
50) Toluene-d8	10.40	98	921028	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
62) 4-Bromofluorobenzene	13.55	95	365078	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	108808	19.590	ug/l	97
3) Chloromethane	1.76	50	87785	18.973	ug/l	95
4) Vinyl Chloride	1.86	62	81489	19.060	ug/l	98
5) Bromomethane	2.15	94	15058	17.187	ug/l	91
6) Chloroethane	2.26	64	22181	17.333	ug/l #	84
7) Trichlorofluoromethane	2.53	101	108931	17.736	ug/l	97
8) Diethyl Ether	2.87	74	46639	23.019	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.15	101	141516	20.610	ug/l	96
10) Methyl Iodide	3.30	142	180049	20.857	ug/l	97
11) Tert butyl alcohol	4.05	59	32392	109.017	ug/l	97
12) 1,1-Dichloroethene	3.13	96	116276	20.659	ug/l	96
13) Acrolein	3.04	56	27380	63.687	ug/l	93
14) Allyl chloride	3.62	41	185521	20.601	ug/l	99
15) Acrylonitrile	4.19	53	134556	128.131	ug/l	93
16) Acetone	3.22	43	125001	93.659	ug/l	96
17) Carbon Disulfide	3.37	76	318932	16.798	ug/l	100
18) Methyl Acetate	3.64	43	60739	23.125	ug/l #	92
19) Methyl tert-butyl Ether	4.23	73	246835	25.024	ug/l	93
20) Methylene Chloride	3.82	84	149953	22.033	ug/l	90
21) trans-1,2-Dichloroethene	4.21	96	135091	22.175	ug/l	95
22) Diisopropyl ether	5.11	45	407318	21.788	ug/l	94
23) Vinyl Acetate	5.05	43	1144332	119.243	ug/l	99
24) 1,1-Dichloroethane	4.98	63	224518	21.920	ug/l	99
25) 2-Butanone	6.06	43	174650	115.322	ug/l	98
26) 2,2-Dichloropropane	6.02	77	164706	20.599	ug/l	94
27) cis-1,2-Dichloroethene	6.03	96	152050	23.524	ug/l	98
28) Bromochloromethane	6.42	49	80990	18.678	ug/l	99
29) Tetrahydrofuran	6.44	42	91508	111.277	ug/l	98
30) Chloroform	6.66	83	227922	21.470	ug/l	97
31) Cyclohexane	6.95	56	161040	19.499	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	192161	20.938	ug/l	98
36) 1,1-Dichloropropene	7.13	75	150369	16.831	ug/l	97
37) Ethyl Acetate	6.17	43	89824	21.425	ug/l	98
38) Carbon Tetrachloride	7.10	117	178621	18.151	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	167999	18.135	ug/l	98
40) Benzene	7.45	78	416269	18.647	ug/l	99
41) Methacrylonitrile	6.42	41	98768	20.482	ug/l #	90
42) 1,2-Dichloroethane	7.57	62	142968	22.069	ug/l	99
43) Isopropyl Acetate	9.23	43	125220	21.565	ug/l #	95
44) Trichloroethene	8.53	130	163108	21.179	ug/l	97
45) 1,2-Dichloropropane	8.94	63	118461	20.198	ug/l	99
46) Dibromomethane	9.05	93	79448	21.355	ug/l	97
47) Bromodichloromethane	9.37	83	172552	20.554	ug/l	98
48) Methyl methacrylate	9.11	41	67081	20.518	ug/l	96
49) 1,4-Dioxane	9.07	88	14773	446.868	ug/l	95
51) 4-Methyl-2-Pentanone	10.29	43	368914	103.706	ug/l	98
52) Toluene	10.50	92	276029	19.884	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	168273	21.921	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	185859	20.151	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	92164	19.936	ug/l	96
56) Ethyl methacrylate	11.03	69	103560	21.402	ug/l	98
57) 1,3-Dichloropropane	11.40	76	153083	22.159	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.85	63	248148	96.883	ug/l	98
59) 2-Hexanone	11.52	43	268567	103.210	ug/l	97
60) Dibromochloromethane	11.68	129	147850	21.731	ug/l	96
61) 1,2-Dibromoethane	11.80	107	119784	22.274	ug/l	96
64) Tetrachloroethene	11.25	164	123814	23.536	ug/l	96
65) Chlorobenzene	12.39	112	367062	24.026	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	140689	25.834	ug/l	96
67) Ethyl Benzene	12.52	91	554919	24.397	ug/l	100
68) m/p-Xylenes	12.67	106	397345	44.509	ug/l	98
69) o-Xylene	13.04	106	197313	22.485	ug/l	97
70) Styrene	13.07	104	302807	21.133	ug/l	98
71) Bromoform	13.23	173	88519	25.197	ug/l	98
73) Isopropylbenzene	13.39	105	504571	20.431	ug/l	96
74) N-amyl acetate	13.26	43	154937	22.281	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	115208	23.910	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	110894	22.494	ug/l	96
77) Bromobenzene	13.66	156	155745	24.705	ug/l	79
78) n-propylbenzene	13.77	91	607053	20.997	ug/l	99
79) 2-Chlorotoluene	13.84	91	330546	20.767	ug/l	96
80) 1,3,5-Trimethylbenzene	14.23	105	410333	21.886	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	35156	24.188	ug/l	94
82) 4-Chlorotoluene	13.95	91	384581	20.438	ug/l	94
83) tert-Butylbenzene	14.18	119	492775	24.017	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	410333	21.886	ug/l	99
85) sec-Butylbenzene	14.36	105	540168	21.565	ug/l	94
86) p-Isopropyltoluene	14.49	119	414802	20.260	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	262264	23.298	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	252469	22.823	ug/l	97
89) n-Butylbenzene	14.79	91	406349	20.667	ug/l	98
90) Hexachloroethane	15.00	117	113859	19.694	ug/l	74
91) 1,2-Dichlorobenzene	14.80	146	230865	24.601	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	14477	24.933	ug/l	65

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	93303	21.432	ug/l	98
94) Hexachlorobutadiene	16.03	225	79287	24.078	ug/l	96
95) Naphthalene	16.12	128	173696	26.255	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	52240	24.296	ug/l	98

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

