

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081618\
 Data File : VD059810.D
 Acq On : 16 Aug 2018 14:56
 Operator : VA/AP
 Sample : VD0816SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

Quant Time: Aug 17 01:09:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 16:08:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	250396	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.66	114	333325	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.67	117	270103	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	154737	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.99	65	176607	54.89	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.78%	
35) Dibromofluoromethane	5.52	113	158032	54.40	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.80%	
50) Toluene-d8	8.69	98	339709	49.38	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	11.92	95	154835	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	49223	16.13	ug/l	97
3) Chloromethane	1.46	50	29665	17.71	ug/l	92
4) Vinyl Chloride	1.54	62	31995	18.03	ug/l	97
5) Bromomethane	1.76	94	6519	11.54	ug/l	95
6) Chloroethane	1.85	64	8246	11.14	ug/l	92
7) Trichlorofluoromethane	2.06	101	43953	15.77	ug/l	97
8) Diethyl Ether	2.32	74	10013	18.68	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.52	101	26264	16.81	ug/l	87
10) Methyl Iodide	2.67	142	24891	15.39	ug/l	95
11) Tert butyl alcohol	3.24	59	13219	116.13	ug/l	96
12) 1,1-Dichloroethene	2.52	96	20241	17.92	ug/l	80
13) Acrolein	2.44	56	7646	86.65	ug/l #	81
14) Allyl chloride	2.88	41	50446	17.77	ug/l	94
15) Acrylonitrile	3.33	53	30969	77.66	ug/l	96
16) Acetone	2.59	43	54702	107.74	ug/l	95
17) Carbon Disulfide	2.73	76	64092	16.93	ug/l	98
18) Methyl Acetate	2.91	43	20134	18.55	ug/l	97
19) Methyl tert-butyl Ether	3.37	73	81861	14.84	ug/l	100
20) Methylene Chloride	3.04	84	29020	19.19	ug/l	99
21) trans-1,2-Dichloroethene	3.35	96	24213	10.88	ug/l	91
22) Diisopropyl ether	4.03	45	138625	18.10	ug/l	95
23) Vinyl Acetate	3.99	43	445395	102.69	ug/l	96
24) 1,1-Dichloroethane	3.94	63	82181	18.09	ug/l	98
25) 2-Butanone	4.81	43	70565	90.81	ug/l	95
26) 2,2-Dichloropropane	4.76	77	81254	19.56	ug/l	98
27) cis-1,2-Dichloroethene	4.76	96	46833	19.20	ug/l	94
28) Bromochloromethane	5.12	49	36263	20.34	ug/l	97
29) Tetrahydrofuran	5.16	42	32818	98.99	ug/l	99
30) Chloroform	5.29	83	99482	18.24	ug/l	99
31) Cyclohexane	5.56	56	56319	17.24	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	89582	18.68	ug/l	96
36) 1,1-Dichloropropene	5.72	75	61344	17.94	ug/l	98
37) Ethyl Acetate	4.90	43	35691	20.87	ug/l #	97
38) Carbon Tetrachloride	5.70	117	78309	18.98	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.26	83	51319	17.35	ug/l	98
40) Benzene	5.98	78	125636	17.32	ug/l	99
41) Methacrylonitrile	5.10	41	16779	20.50	ug/l	97
42) 1,2-Dichloroethane	6.10	62	77655	19.78	ug/l	97
43) Isopropyl Acetate	7.59	43	42426	19.64	ug/l	99
44) Trichloroethene	6.96	130	43842	17.65	ug/l	91
45) 1,2-Dichloropropane	7.32	63	35820	19.00	ug/l	96
46) Dibromomethane	7.44	93	29421	19.08	ug/l	93
47) Bromodichloromethane	7.71	83	68159	18.04	ug/l	98
48) Methyl methacrylate	7.48	41	28461	20.19	ug/l	92
49) 1,4-Dioxane	7.47	88	5200	418.94	ug/l	94
51) 4-Methyl-2-Pentanone	8.58	43	149571	91.61	ug/l	97
52) Toluene	8.78	92	88734	19.09	ug/l	97
53) t-1,3-Dichloropropene	9.17	75	62918	20.08	ug/l	98
54) cis-1,3-Dichloropropene	8.34	75	65366	19.31	ug/l	95
55) 1,1,2-Trichloroethane	9.43	97	32278	18.81	ug/l	93
56) Ethyl methacrylate	9.30	69	38212	20.57	ug/l	98
57) 1,3-Dichloropropane	9.65	76	51803	19.28	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.17	63	98094	106.82	ug/l	98
59) 2-Hexanone	9.77	43	112978	96.50	ug/l	98
60) Dibromochloromethane	9.94	129	48653	19.53	ug/l	100
61) 1,2-Dibromoethane	10.07	107	37798	19.89	ug/l	94
64) Tetrachloroethene	9.49	164	43396	18.65	ug/l	93
65) Chlorobenzene	10.70	112	104313	19.07	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.83	131	46313	21.01	ug/l	95
67) Ethyl Benzene	10.84	91	187465	19.90	ug/l	96
68) m/p-Xylenes	11.00	106	124543	39.02	ug/l	94
69) o-Xylene	11.39	106	60110	19.62	ug/l	84
70) Styrene	11.42	104	103781	19.10	ug/l	98
71) Bromoform	11.59	173	34505	21.53	ug/l	97
73) Isopropylbenzene	11.77	105	181677	18.54	ug/l	99
74) N-amyl acetate	11.64	43	61486	20.47	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.06	83	39292	19.75	ug/l	94
76) 1,2,3-Trichloropropane	12.10	75	44999	20.50	ug/l	100
77) Bromobenzene	12.03	156	54994	19.64	ug/l	96
78) n-propylbenzene	12.14	91	234830	19.21	ug/l	97
79) 2-Chlorotoluene	12.21	91	136293	18.49	ug/l	91
80) 1,3,5-Trimethylbenzene	12.31	105	147652	18.82	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.83	75	9887	19.25	ug/l	84
82) 4-Chlorotoluene	12.32	91	158129	18.90	ug/l	99
83) tert-Butylbenzene	12.56	119	167227	19.29	ug/l	98
84) 1,2,4-Trimethylbenzene	12.61	105	155972	18.45	ug/l	98
85) sec-Butylbenzene	12.75	105	188889	18.80	ug/l	96
86) p-Isopropyltoluene	12.88	119	165324	19.67	ug/l	94
87) 1,3-Dichlorobenzene	12.83	146	94166	18.76	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	94909	19.07	ug/l	99
89) n-Butylbenzene	13.18	91	158339	18.63	ug/l	99
90) Hexachloroethane	13.39	117	41064	19.47	ug/l	87
91) 1,2-Dichlorobenzene	13.18	146	80241	19.43	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.76	75	6574	18.52	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	72610	21.03	ug/l	97
94) Hexachlorobutadiene	14.42	225	48139	18.89	ug/l	98
95) Naphthalene	14.50	128	102446	19.38	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	58524	19.21	ug/l	98

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

