

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081318\
 Data File : VD059742.D
 Acq On : 13 Aug 2018 19:16
 Operator : VA/AP
 Sample : VD0813SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

Quant Time: Aug 14 03:51:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 05:42:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	189458	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	232240	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	186734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	103461	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.01	65	133857	45.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.28%	
35) Dibromofluoromethane	5.54	113	120252	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
50) Toluene-d8	8.70	98	238571	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	11.93	95	116583	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	53464	18.86	ug/l	95
3) Chloromethane	1.47	50	19877	18.51	ug/l	95
4) Vinyl Chloride	1.55	62	25250	18.62	ug/l	99
5) Bromomethane	1.78	94	8931	15.68	ug/l	95
6) Chloroethane	1.87	64	11888	17.03	ug/l	93
7) Trichlorofluoromethane	2.07	101	54780	18.83	ug/l	99
8) Diethyl Ether	2.34	74	8705	18.52	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.54	101	28597	19.17	ug/l	97
10) Methyl Iodide	2.68	142	24852	16.01	ug/l	99
11) Tert butyl alcohol	3.26	59	9928	96.61	ug/l #	93
12) 1,1-Dichloroethene	2.53	96	21161	19.84	ug/l	93
13) Acrolein	2.47	56	6170	100.80	ug/l	94
14) Allyl chloride	2.91	41	45676	19.38	ug/l	96
15) Acrylonitrile	3.35	53	25642	100.93	ug/l	94
16) Acetone	2.60	43	42834	88.42	ug/l	96
17) Carbon Disulfide	2.74	76	60802	17.01	ug/l	100
18) Methyl Acetate	2.93	43	16325	17.73	ug/l	97
19) Methyl tert-butyl Ether	3.40	73	80475	19.28	ug/l	100
20) Methylene Chloride	3.06	84	28190	20.16	ug/l	97
21) trans-1,2-Dichloroethene	3.37	96	31682	23.43	ug/l #	95
22) Diisopropyl ether	4.06	45	94880	21.29	ug/l	89
23) Vinyl Acetate	4.01	43	306280	101.55	ug/l	97
24) 1,1-Dichloroethane	3.96	63	66377	20.16	ug/l #	98
25) 2-Butanone	4.83	43	45052	86.52	ug/l #	92
26) 2,2-Dichloropropane	4.79	77	77467	20.13	ug/l	99
27) cis-1,2-Dichloroethene	4.79	96	34811	21.28	ug/l	99
28) Bromochloromethane	5.13	49	24843	20.96	ug/l	85
29) Tetrahydrofuran	5.18	42	18919	97.18	ug/l	98
30) Chloroform	5.31	83	85132	19.58	ug/l	99
31) Cyclohexane	5.58	56	41293	21.61	ug/l #	88
32) 1,1,1-Trichloroethane	5.50	97	84810	18.82	ug/l	99
36) 1,1-Dichloropropene	5.74	75	51225	19.00	ug/l	98
37) Ethyl Acetate	4.92	43	23207	19.58	ug/l #	91
38) Carbon Tetrachloride	5.71	117	77314	18.23	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	40349	20.20	ug/l	95
40) Benzene	6.01	78	88090	18.75	ug/l	98
41) Methacrylonitrile	5.11	41	10655	19.12	ug/l	90
42) 1,2-Dichloroethane	6.12	62	68528	18.40	ug/l	99
43) Isopropyl Acetate	7.60	43	28080	18.80	ug/l	99
44) Trichloroethene	6.97	130	36053	19.03	ug/l	87
45) 1,2-Dichloropropane	7.34	63	24182	20.21	ug/l	99
46) Dibromomethane	7.45	93	23376	18.40	ug/l	93
47) Bromodichloromethane	7.74	83	59776	17.81	ug/l #	97
48) Methyl methacrylate	7.49	41	19994	18.34	ug/l	93
49) 1,4-Dioxane	7.48	88	3167	410.93	ug/l	95
51) 4-Methyl-2-Pentanone	8.58	43	98477	85.53	ug/l	98
52) Toluene	8.79	92	61729	20.44	ug/l	94
53) t-1,3-Dichloropropene	9.18	75	49370	18.30	ug/l	98
54) cis-1,3-Dichloropropene	8.35	75	48312	18.66	ug/l	90
55) 1,1,2-Trichloroethane	9.45	97	22615	18.99	ug/l	86
56) Ethyl methacrylate	9.30	69	25574	18.84	ug/l	91
57) 1,3-Dichloropropane	9.66	76	36181	18.25	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.18	63	67927	108.06	ug/l	98
59) 2-Hexanone	9.78	43	77025	89.40	ug/l	94
60) Dibromochloromethane	9.95	129	42336	18.42	ug/l	96
61) 1,2-Dibromoethane	10.09	107	27373	18.38	ug/l	97
64) Tetrachloroethene	9.51	164	35531	19.39	ug/l	92
65) Chlorobenzene	10.72	112	79061	20.75	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.85	131	38501	19.95	ug/l	95
67) Ethyl Benzene	10.85	91	147943	20.72	ug/l	99
68) m/p-Xylenes	11.00	106	92187	40.27	ug/l	95
69) o-Xylene	11.40	106	43004	19.32	ug/l	98
70) Styrene	11.43	104	72095	19.78	ug/l	98
71) Bromoform	11.60	173	26569	18.20	ug/l	98
73) Isopropylbenzene	11.77	105	143455	20.41	ug/l	97
74) N-amyl acetate	11.64	43	40791	20.24	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.07	83	26370	20.56	ug/l	93
76) 1,2,3-Trichloropropane	12.11	75	31770	20.76	ug/l	94
77) Bromobenzene	12.04	156	41342	20.14	ug/l	90
78) n-propylbenzene	12.15	91	177641	20.80	ug/l	100
79) 2-Chlorotoluene	12.21	91	103286	19.10	ug/l	92
80) 1,3,5-Trimethylbenzene	12.31	105	122599	20.13	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.84	75	6243	18.11	ug/l	97
82) 4-Chlorotoluene	12.32	91	127801	20.05	ug/l	99
83) tert-Butylbenzene	12.57	119	133200	20.11	ug/l	99
84) 1,2,4-Trimethylbenzene	12.62	105	126096	20.07	ug/l	97
85) sec-Butylbenzene	12.76	105	152627	21.68	ug/l	92
86) p-Isopropyltoluene	12.88	119	127456	20.09	ug/l	95
87) 1,3-Dichlorobenzene	12.83	146	71968	20.71	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	70966	20.42	ug/l	97
89) n-Butylbenzene	13.19	91	128479	20.48	ug/l	99
90) Hexachloroethane	13.40	117	33263	20.21	ug/l	92
91) 1,2-Dichlorobenzene	13.19	146	59734	20.23	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	5700	17.84	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	54453	19.42	ug/l	98
94) Hexachlorobutadiene	14.43	225	44706	19.03	ug/l	96
95) Naphthalene	14.51	128	74814	19.82	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	45867	19.14	ug/l	98

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

