

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081418\
 Data File : VD059766.D
 Acq On : 14 Aug 2018 14:56
 Operator : VA/AP
 Sample : VD0814SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Quant Time: Aug 14 15:33:51 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	5.64	168	248305	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.69	114	331481	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	270194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	149571	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.02	65	171927	44.24	ug/l	0.02
Spiked Amount	50.000		Recovery	=	88.48%	
35) Dibromofluoromethane	5.55	113	150127	43.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.96%	
50) Toluene-d8	8.70	98	351015	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
62) 4-Bromofluorobenzene	11.93	95	162091	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.33	85	62024	16.70	ug/l	92
3) Chloromethane	1.48	50	35097	24.94	ug/l	99
4) Vinyl Chloride	1.55	62	35810	20.15	ug/l #	88
5) Bromomethane	1.78	94	8842	11.85	ug/l	98
6) Chloroethane	1.87	64	12386	13.54	ug/l	99
7) Trichlorofluoromethane	2.07	101	56014	14.69	ug/l	99
8) Diethyl Ether	2.35	74	10839	17.60	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.54	101	33494	17.13	ug/l	92
10) Methyl Iodide	2.69	142	31679	15.67	ug/l	99
11) Tert butyl alcohol	3.27	59	12395	92.03	ug/l #	75
12) 1,1-Dichloroethene	2.53	96	24052	17.21	ug/l	97
13) Acrolein	2.47	56	8566	106.78	ug/l	83
14) Allyl chloride	2.92	41	57910	18.75	ug/l	88
15) Acrylonitrile	3.35	53	43930	131.94	ug/l	91
16) Acetone	2.61	43	54369	85.63	ug/l	95
17) Carbon Disulfide	2.75	76	74523	15.90	ug/l	98
18) Methyl Acetate	2.94	43	19729	16.37	ug/l	99
19) Methyl tert-butyl Ether	3.41	73	113517	20.75	ug/l	94
20) Methylene Chloride	3.07	84	32183	17.56	ug/l	97
21) trans-1,2-Dichloroethene	3.38	96	47588	26.85	ug/l	82
22) Diisopropyl ether	4.07	45	151323	25.91	ug/l #	82
23) Vinyl Acetate	4.01	43	450069	113.86	ug/l	99
24) 1,1-Dichloroethane	3.97	63	93463	21.66	ug/l	99
25) 2-Butanone	4.84	43	75771	111.03	ug/l	99
26) 2,2-Dichloropropane	4.80	77	93307	18.50	ug/l	98
27) cis-1,2-Dichloroethene	4.80	96	52698	24.58	ug/l	75
28) Bromochloromethane	5.14	49	38778	24.96	ug/l	89
29) Tetrahydrofuran	5.18	42	34033	133.38	ug/l	98
30) Chloroform	5.32	83	110709	19.43	ug/l	98
31) Cyclohexane	5.59	56	65640	26.21	ug/l	92
32) 1,1,1-Trichloroethane	5.51	97	97289	16.47	ug/l	97
36) 1,1-Dichloropropene	5.74	75	71479	18.58	ug/l	93
37) Ethyl Acetate	4.93	43	37212	21.99	ug/l #	93
38) Carbon Tetrachloride	5.72	117	87596	14.47	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	61841	21.69	ug/l	96
40) Benzene	6.01	78	150586	22.46	ug/l	99
41) Methacrylonitrile	5.12	41	17364	21.83	ug/l #	83
42) 1,2-Dichloroethane	6.13	62	81635	15.35	ug/l	96
43) Isopropyl Acetate	7.61	43	46219	21.68	ug/l	95
44) Trichloroethene	6.98	130	51629	19.09	ug/l	98
45) 1,2-Dichloropropane	7.35	63	39811	23.31	ug/l	99
46) Dibromomethane	7.45	93	32641	18.00	ug/l	94
47) Bromodichloromethane	7.74	83	79135	16.51	ug/l #	97
48) Methyl methacrylate	7.50	41	28782	18.50	ug/l	89
49) 1,4-Dioxane	7.49	88	5149	468.08	ug/l #	87
51) 4-Methyl-2-Pentanone	8.59	43	151149	91.98	ug/l	92
52) Toluene	8.80	92	98569	22.86	ug/l	100
53) t-1,3-Dichloropropene	9.18	75	65872	17.11	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	70096	18.97	ug/l #	84
55) 1,1,2-Trichloroethane	9.45	97	33249	19.56	ug/l	98
56) Ethyl methacrylate	9.31	69	38460	19.85	ug/l #	80
57) 1,3-Dichloropropane	9.67	76	56683	20.03	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.19	63	100981	112.55	ug/l	98
59) 2-Hexanone	9.79	43	118380	96.27	ug/l	91
60) Dibromochloromethane	9.96	129	52329	15.95	ug/l	96
61) 1,2-Dibromoethane	10.09	107	38278	18.00	ug/l	96
64) Tetrachloroethene	9.51	164	48151	18.16	ug/l	90
65) Chlorobenzene	10.72	112	113574	20.60	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.85	131	48267	17.28	ug/l	95
67) Ethyl Benzene	10.86	91	214237	20.73	ug/l	94
68) m/p-Xylenes	11.01	106	140836	42.52	ug/l	87
69) o-Xylene	11.41	106	67558	20.97	ug/l	81
70) Styrene	11.43	104	117799	22.33	ug/l	95
71) Bromoform	11.60	173	34826	16.49	ug/l #	96
73) Isopropylbenzene	11.77	105	208968	20.56	ug/l	95
74) N-amyl acetate	11.64	43	61494	21.11	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.08	83	42085	22.70	ug/l	95
76) 1,2,3-Trichloropropane	12.11	75	45628	20.62	ug/l	100
77) Bromobenzene	12.04	156	60021	20.23	ug/l	92
78) n-propylbenzene	12.16	91	268338	21.74	ug/l	97
79) 2-Chlorotoluene	12.21	91	157799	20.19	ug/l	97
80) 1,3,5-Trimethylbenzene	12.32	105	170108	19.32	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.84	75	10877	21.83	ug/l #	70
82) 4-Chlorotoluene	12.32	91	182783	19.84	ug/l	98
83) tert-Butylbenzene	12.58	119	189589	19.80	ug/l	85
84) 1,2,4-Trimethylbenzene	12.63	105	182129	20.05	ug/l	89
85) sec-Butylbenzene	12.76	105	219726	21.59	ug/l	96
86) p-Isopropyltoluene	12.88	119	185134	20.18	ug/l	93
87) 1,3-Dichlorobenzene	12.84	146	107774	21.45	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	100138	19.94	ug/l	99
89) n-Butylbenzene	13.20	91	194149	21.41	ug/l	97
90) Hexachloroethane	13.40	117	44868	18.86	ug/l	74
91) 1,2-Dichlorobenzene	13.19	146	92919	21.77	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	7465	16.16	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	74779	18.45	ug/l	95
94) Hexachlorobutadiene	14.44	225	56451	16.62	ug/l	96
95) Naphthalene	14.52	128	107225	19.65	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	62593	18.07	ug/l	98

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

