

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081418\
 Data File : VD059779.D
 Acq On : 14 Aug 2018 21:05
 Operator : VA/AP
 Sample : VD0814SBS01
 Misc : 5.00u/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Quant Time: Aug 15 10:52:00 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	222837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	305500	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	258290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	142998	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.01	65	156193	44.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.56%	
35) Dibromofluoromethane	5.54	113	145921	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
50) Toluene-d8	8.70	98	328324	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
62) 4-Bromofluorobenzene	11.93	95	148982	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.32	85	54997	16.50	ug/l	92
3) Chloromethane	1.47	50	30401	24.07	ug/l	92
4) Vinyl Chloride	1.54	62	32798	20.56	ug/l #	89
5) Bromomethane	1.78	94	6139	9.16	ug/l	99
6) Chloroethane	1.86	64	10967	13.36	ug/l	88
7) Trichlorofluoromethane	2.06	101	48243	14.10	ug/l	95
8) Diethyl Ether	2.33	74	8754	15.83	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	2.54	101	29875	17.03	ug/l	92
10) Methyl Iodide	2.68	142	27167	15.15	ug/l #	85
11) Tert butyl alcohol	3.25	59	10583	87.55	ug/l #	75
12) 1,1-Dichloroethene	2.53	96	20812	16.59	ug/l	91
13) Acrolein	2.46	56	7308	101.51	ug/l	99
14) Allyl chloride	2.91	41	51029	18.41	ug/l	96
15) Acrylonitrile	3.34	53	39362	131.73	ug/l	91
16) Acetone	2.60	43	44950	78.89	ug/l	95
17) Carbon Disulfide	2.74	76	65029	15.46	ug/l	99
18) Methyl Acetate	2.92	43	18402	17.01	ug/l	98
19) Methyl tert-butyl Ether	3.39	73	107552	21.91	ug/l	96
20) Methylene Chloride	3.06	84	27778	16.89	ug/l	94
21) trans-1,2-Dichloroethene	3.37	96	40952	25.75	ug/l	86
22) Diisopropyl ether	4.06	45	140245	26.75	ug/l #	80
23) Vinyl Acetate	4.00	43	425849	120.04	ug/l	98
24) 1,1-Dichloroethane	3.95	63	83910	21.67	ug/l	97
25) 2-Butanone	4.83	43	66732	108.96	ug/l	94
26) 2,2-Dichloropropane	4.79	77	76756	16.96	ug/l	97
27) cis-1,2-Dichloroethene	4.79	96	47475	24.68	ug/l	77
28) Bromochloromethane	5.13	49	34992	25.10	ug/l	85
29) Tetrahydrofuran	5.17	42	30993	135.35	ug/l	97
30) Chloroform	5.31	83	100864	19.72	ug/l	98
31) Cyclohexane	5.58	56	58008	25.81	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	89121	16.81	ug/l	96
36) 1,1-Dichloropropene	5.73	75	64414	18.17	ug/l	94
37) Ethyl Acetate	4.92	43	35808	22.96	ug/l #	88
38) Carbon Tetrachloride	5.71	117	77303	13.86	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	54246	20.65	ug/l	99
40) Benzene	6.01	78	132009	21.37	ug/l	97
41) Methacrylonitrile	5.11	41	16978	23.16	ug/l #	87
42) 1,2-Dichloroethane	6.12	62	74000	15.10	ug/l	100
43) Isopropyl Acetate	7.61	43	42250	21.50	ug/l #	88
44) Trichloroethene	6.97	130	47021	18.87	ug/l	94
45) 1,2-Dichloropropane	7.35	63	35702	22.69	ug/l	99
46) Dibromomethane	7.45	93	29748	17.80	ug/l	91
47) Bromodichloromethane	7.73	83	72626	16.45	ug/l #	97
48) Methyl methacrylate	7.50	41	26489	18.47	ug/l #	84
49) 1,4-Dioxane	7.48	88	4741	467.65	ug/l #	76
51) 4-Methyl-2-Pentanone	8.59	43	142425	94.04	ug/l	95
52) Toluene	8.79	92	91042	22.91	ug/l	95
53) t-1,3-Dichloropropene	9.18	75	61745	17.40	ug/l	98
54) cis-1,3-Dichloropropene	8.35	75	64347	18.89	ug/l	85
55) 1,1,2-Trichloroethane	9.45	97	32822	20.95	ug/l	95
56) Ethyl methacrylate	9.30	69	37898	21.23	ug/l #	74
57) 1,3-Dichloropropane	9.66	76	49783	19.09	ug/l #	86
58) 2-Chloroethyl Vinyl ether	8.18	63	99251	120.03	ug/l	95
59) 2-Hexanone	9.78	43	108206	95.48	ug/l	89
60) Dibromochloromethane	9.95	129	49790	16.47	ug/l	100
61) 1,2-Dibromoethane	10.09	107	36468	18.61	ug/l	97
64) Tetrachloroethene	9.51	164	44031	17.37	ug/l	96
65) Chlorobenzene	10.72	112	107907	20.47	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	46250	17.32	ug/l	93
67) Ethyl Benzene	10.86	91	201778	20.43	ug/l	91
68) m/p-Xylenes	11.00	106	129891	41.02	ug/l	85
69) o-Xylene	11.40	106	61888	20.10	ug/l	87
70) Styrene	11.43	104	103682	20.56	ug/l	93
71) Bromoform	11.59	173	32965	16.32	ug/l	98
73) Isopropylbenzene	11.77	105	183683	18.91	ug/l	97
74) N-amyl acetate	11.64	43	60526	21.73	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.08	83	39871	22.49	ug/l	95
76) 1,2,3-Trichloropropane	12.11	75	44828	21.19	ug/l	99
77) Bromobenzene	12.04	156	54172	19.09	ug/l	87
78) n-propylbenzene	12.15	91	240750	20.40	ug/l	98
79) 2-Chlorotoluene	12.21	91	146573	19.61	ug/l	93
80) 1,3,5-Trimethylbenzene	12.31	105	150599	17.89	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.84	75	10578	22.20	ug/l #	67
82) 4-Chlorotoluene	12.32	91	161056	18.28	ug/l	96
83) tert-Butylbenzene	12.57	119	172980	18.90	ug/l	93
84) 1,2,4-Trimethylbenzene	12.62	105	164565	18.95	ug/l	95
85) sec-Butylbenzene	12.76	105	177998	18.29	ug/l	96
86) p-Isopropyltoluene	12.88	119	162032	18.48	ug/l	91
87) 1,3-Dichlorobenzene	12.83	146	95633	19.91	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	94898	19.76	ug/l	98
89) n-Butylbenzene	13.19	91	170325	19.64	ug/l	97
90) Hexachloroethane	13.40	117	39746	17.47	ug/l	83
91) 1,2-Dichlorobenzene	13.19	146	82167	20.13	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.77	75	7101	16.08	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	66785	17.24	µg/l	94
94) Hexachlorobutadiene	14.43	225	49684	15.30	µg/l	99
95) Naphthalene	14.52	128	102313	19.61	µg/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	59736	18.03	µg/l	97

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

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