

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059789.D
 Acq On : 15 Aug 2018 4:09
 Operator : VA/AP
 Sample : VD0815SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0815SBS01

Quant Time: Aug 15 17:49:51 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	5.64	168	269219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	362687	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	298681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	162257	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.01	65	185155	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
35) Dibromofluoromethane	5.55	113	169084	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	
50) Toluene-d8	8.71	98	402490	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	
62) 4-Bromofluorobenzene	11.92	95	173101	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.34	85	62035	18.91	ug/l	99
3) Chloromethane	1.48	50	36601	20.32	ug/l	96
4) Vinyl Chloride	1.56	62	37197	19.50	ug/l	94
5) Bromomethane	1.78	94	8097	13.33	ug/l	81
6) Chloroethane	1.87	64	11477	14.42	ug/l	93
7) Trichlorofluoromethane	2.08	101	51781	17.28	ug/l	97
8) Diethyl Ether	2.34	74	11064	19.20	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.56	101	33182	19.75	ug/l	97
10) Methyl Iodide	2.69	142	29969	16.86	ug/l	97
11) Tert butyl alcohol	3.26	59	9011	73.63	ug/l #	74
12) 1,1-Dichloroethene	2.55	96	24472	20.15	ug/l	90
13) Acrolein	2.47	56	8036	85.13	ug/l	94
14) Allyl chloride	2.92	41	59750	19.58	ug/l	91
15) Acrylonitrile	3.36	53	47732	111.33	ug/l	96
16) Acetone	2.61	43	47724	87.42	ug/l	97
17) Carbon Disulfide	2.76	76	76787	18.86	ug/l	99
18) Methyl Acetate	2.93	43	21680	18.58	ug/l	98
19) Methyl tert-butyl Ether	3.41	73	119908	20.22	ug/l	95
20) Methylene Chloride	3.07	84	33655	20.96	ug/l	95
21) trans-1,2-Dichloroethene	3.39	96	49758	20.79	ug/l	96
22) Diisopropyl ether	4.06	45	164871	20.02	ug/l	91
23) Vinyl Acetate	4.02	43	487647	104.57	ug/l	100
24) 1,1-Dichloroethane	3.98	63	97778	20.02	ug/l	99
25) 2-Butanone	4.83	43	73156	87.56	ug/l	95
26) 2,2-Dichloropropane	4.79	77	84868	19.00	ug/l	97
27) cis-1,2-Dichloroethene	4.80	96	53684	20.47	ug/l	93
28) Bromochloromethane	5.15	49	39639	20.68	ug/l	97
29) Tetrahydrofuran	5.19	42	35224	98.81	ug/l	98
30) Chloroform	5.32	83	114182	19.47	ug/l	99
31) Cyclohexane	5.59	56	66280	18.87	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	104252	20.21	ug/l	99
36) 1,1-Dichloropropene	5.75	75	77532	20.84	ug/l	94
37) Ethyl Acetate	4.92	43	38095	20.47	ug/l #	97
38) Carbon Tetrachloride	5.73	117	89949	20.04	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	62685	19.47	ug/l	99
40) Benzene	6.01	78	160183	20.29	ug/l	99
41) Methacrylonitrile	5.13	41	18052	20.27	ug/l	93
42) 1,2-Dichloroethane	6.13	62	83111	19.46	ug/l	100
43) Isopropyl Acetate	7.62	43	46010	19.58	ug/l	92
44) Trichloroethene	6.98	130	52663	19.49	ug/l	95
45) 1,2-Dichloropropane	7.34	63	41012	19.99	ug/l	97
46) Dibromomethane	7.46	93	32021	19.08	ug/l	96
47) Bromodichloromethane	7.74	83	80764	19.65	ug/l	94
48) Methyl methacrylate	7.51	41	30520	19.90	ug/l	99
49) 1,4-Dioxane	7.49	88	5397	399.61	ug/l #	90
51) 4-Methyl-2-Pentanone	8.60	43	157673	88.75	ug/l	97
52) Toluene	8.80	92	103478	20.46	ug/l	99
53) t-1,3-Dichloropropene	9.19	75	67546	19.82	ug/l	96
54) cis-1,3-Dichloropropene	8.36	75	73511	19.96	ug/l	91
55) 1,1,2-Trichloroethane	9.46	97	36443	19.52	ug/l	95
56) Ethyl methacrylate	9.31	69	40105	19.84	ug/l	97
57) 1,3-Dichloropropane	9.66	76	55142	18.86	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.19	63	112927	113.02	ug/l	98
59) 2-Hexanone	9.78	43	116431	91.40	ug/l	97
60) Dibromochloromethane	9.96	129	53876	19.88	ug/l	98
61) 1,2-Dibromoethane	10.10	107	41450	20.05	ug/l	94
64) Tetrachloroethene	9.51	164	54557	21.21	ug/l	92
65) Chlorobenzene	10.72	112	117866	19.49	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.84	131	49007	20.10	ug/l	91
67) Ethyl Benzene	10.85	91	218438	20.97	ug/l	99
68) m/p-Xylenes	11.01	106	149652	42.40	ug/l	95
69) o-Xylene	11.40	106	70559	20.82	ug/l	86
70) Styrene	11.43	104	123355	20.53	ug/l	99
71) Bromoform	11.60	173	35649	20.12	ug/l	96
73) Isopropylbenzene	11.77	105	214664	20.89	ug/l	100
74) N-amyl acetate	11.64	43	64330	20.42	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.07	83	41843	20.06	ug/l	95
76) 1,2,3-Trichloropropane	12.11	75	48338	21.00	ug/l	100
77) Bromobenzene	12.04	156	61780	21.04	ug/l	94
78) n-propylbenzene	12.15	91	261891	20.44	ug/l	100
79) 2-Chlorotoluene	12.21	91	160421	20.76	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	167034	20.30	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.84	75	11267	20.92	ug/l	88
82) 4-Chlorotoluene	12.32	91	182087	20.76	ug/l	91
83) tert-Butylbenzene	12.57	119	186945	20.57	ug/l	97
84) 1,2,4-Trimethylbenzene	12.62	105	173372	19.56	ug/l	97
85) sec-Butylbenzene	12.75	105	217655	20.66	ug/l	98
86) p-Isopropyltoluene	12.88	119	185309	21.02	ug/l	96
87) 1,3-Dichlorobenzene	12.84	146	103367	19.64	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	100534	19.26	ug/l	98
89) n-Butylbenzene	13.19	91	185571	20.82	ug/l	99
90) Hexachloroethane	13.40	117	44381	20.06	ug/l	92
91) 1,2-Dichlorobenzene	13.19	146	89547	20.68	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	7601	20.42	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	72342	19.98	µg/l	99
94) Hexachlorobutadiene	14.43	225	52892	19.79	µg/l	98
95) Naphthalene	14.51	128	110008	19.85	µg/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	62980	19.71	µg/l	99

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

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