

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083018\
 Data File : VD059923.D
 Acq On : 30 Aug 2018 13:03
 Operator : JC/SY
 Sample : VD0830SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0830SBS01

Manual Integrations
 APPROVED

apatel
 8/31/2018 12:29:44 PM

Quant Time: Aug 30 18:15:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1174006	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	1604302	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1357883	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	738882	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	495040	50.03	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	100.06%	
35) Dibromofluoromethane	6.30	113	651366	51.79	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	103.58%	
50) Toluene-d8	9.44	98	1782036	51.05	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	12.42	95	696876	49.15	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	179752	17.13	ug/l	96
3) Chloromethane	1.74	50	155892	16.40	ug/l	99
4) Vinyl Chloride	1.83	62	129518	17.37	ug/l	97
5) Bromomethane	2.11	94	10878	8.45	ug/l	97
6) Chloroethane	2.22	64	32760	12.11	ug/l	96
7) Trichlorofluoromethane	2.48	101	152842	17.72	ug/l	96
8) Diethyl Ether	2.80	74	35298	18.24	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.06	101	105416	19.96	ug/l	97
10) Methyl Iodide	3.21	142	77384	16.27	ug/l	98
11) Tert butyl alcohol	3.96	59	83053	110.00	ug/l	98
12) 1,1-Dichloroethene	3.04	96	78275	19.04	ug/l	95
13) Acrolein	2.96	56	20440	62.42	ug/l	90
14) Allyl chloride	3.50	41	185737	19.97	ug/l	100
15) Acrylonitrile	4.06	53	281400	99.53	ug/l	99
16) Acetone	3.14	43	180614	100.19	ug/l	97
17) Carbon Disulfide	3.28	76	194385	15.23	ug/l	99
18) Methyl Acetate	3.53	43	69449	18.45	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	459835	19.77	ug/l	100
20) Methylene Chloride	3.69	84	290180	22.03	ug/l	97
21) trans-1,2-Dichloroethene	4.06	96	203049	17.92	ug/l	96
22) Diisopropyl ether	4.83	45	940036	19.82	ug/l	99
23) Vinyl Acetate	4.78	43	2691873	101.51	ug/l	100
24) 1,1-Dichloroethane	4.73	63	400175	19.53	ug/l	100
25) 2-Butanone	5.61	43	470455	88.11	ug/l	98
26) 2,2-Dichloropropane	5.57	77	336810	19.66	ug/l	100
27) cis-1,2-Dichloroethene	5.57	96	242360	19.54	ug/l	99
28) Bromochloromethane	5.90	49	217608	22.16	ug/l	99
29) Tetrahydrofuran	5.93	42	248305	97.69	ug/l	100
30) Chloroform	6.08	83	426258	20.47	ug/l	98
31) Cyclohexane	6.34	56	326387	17.32	ug/l	100
32) 1,1,1-Trichloroethane	6.27	97	337622	19.10	ug/l	97
36) 1,1-Dichloropropene	6.50	75	288985	19.87	ug/l	97
37) Ethyl Acetate	5.67	43	226072	19.98	ug/l	99
38) Carbon Tetrachloride	6.47	117	295226	20.12	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	291218	18.53	ug/l	98
40) Benzene	6.78	78	764466	20.22	ug/l	100
41) Methacrylonitrile	5.90	41	111557m	19.57	ug/l	
42) 1,2-Dichloroethane	6.88	62	238270	19.63	ug/l	99
43) Isopropyl Acetate	8.33	43	288996	19.63	ug/l #	99
44) Trichloroethene	7.72	130	218955	19.67	ug/l	92
45) 1,2-Dichloropropane	8.09	63	216109	20.45	ug/l	96
46) Dibromomethane	8.20	93	134789	19.83	ug/l	97
47) Bromodichloromethane	8.48	83	313907	20.40	ug/l	99
48) Methyl methacrylate	8.23	41	170987	19.92	ug/l	97
49) 1,4-Dioxane	8.21	88	32412	423.01	ug/l	94
51) 4-Methyl-2-Pentanone	9.34	43	990168	90.21	ug/l	99
52) Toluene	9.53	92	488849	20.16	ug/l	94
53) t-1,3-Dichloropropene	9.91	75	276399	19.42	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	333209	20.19	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	181094	20.43	ug/l	98
56) Ethyl methacrylate	10.02	69	202975	19.84	ug/l	98
57) 1,3-Dichloropropane	10.37	76	263973	20.58	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	566428	115.43	ug/l	98
59) 2-Hexanone	10.48	43	754079	93.14	ug/l	95
60) Dibromochloromethane	10.63	129	219596	19.71	ug/l	99
61) 1,2-Dibromoethane	10.75	107	180281	20.12	ug/l	99
64) Tetrachloroethene	10.24	164	208113	19.82	ug/l	99
65) Chlorobenzene	11.30	112	561477	20.81	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	208124	21.11	ug/l	99
67) Ethyl Benzene	11.42	91	974272	21.46	ug/l	100
68) m/p-Xylenes	11.56	106	703357	42.55	ug/l	99
69) o-Xylene	11.92	106	333488	20.63	ug/l	91
70) Styrene	11.95	104	595605	21.28	ug/l	99
71) Bromoform	12.11	173	164827	19.32	ug/l	99
73) Isopropylbenzene	12.27	105	955736	20.26	ug/l	99
74) N-amyl acetate	12.13	43	392529	19.01	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	219012	20.07	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	230748	20.09	ug/l	99
77) Bromobenzene	12.53	156	267967	20.49	ug/l	93
78) n-propylbenzene	12.63	91	1212996	20.31	ug/l	100
79) 2-Chlorotoluene	12.70	91	662286	19.61	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	742194	19.79	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	60637	16.97	ug/l	97
82) 4-Chlorotoluene	12.80	91	761645	19.77	ug/l	91
83) tert-Butylbenzene	13.05	119	865214	20.25	ug/l	99
84) 1,2,4-Trimethylbenzene	13.08	105	799953	20.47	ug/l	98
85) sec-Butylbenzene	13.21	105	1050883	20.92	ug/l	99
86) p-Isopropyltoluene	13.34	119	869256	21.28	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	490746	21.02	ug/l	95
88) 1,4-Dichlorobenzene	13.39	146	493969	21.21	ug/l	98
89) n-Butylbenzene	13.65	91	886740	20.05	ug/l	98
90) Hexachloroethane	13.85	117	202887	18.49	ug/l	94
91) 1,2-Dichlorobenzene	13.66	146	435245	21.93	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	30759	18.34	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	336011	19.77	ug/l	98
94) Hexachlorobutadiene	14.88	225	234113	21.01	ug/l	98
95) Naphthalene	14.96	128	517351	19.92	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	291541	20.06	ug/l	98

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

