

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082318\
 Data File : VD059884.D
 Acq On : 23 Aug 2018 13:17
 Operator : JC/SY
 Sample : VD0823SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0823SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 3:09:07 PM

Quant Time: Aug 23 14:53:00 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	6.39	168	1150605	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	1593557	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1318738	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	720389	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	494677	51.01	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.02%	
35) Dibromofluoromethane	6.31	113	631755	50.57	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	9.45	98	1753311	50.57	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.14%	
62) 4-Bromofluorobenzene	12.42	95	683938	48.57	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	175253	17.04	ug/l	98
3) Chloromethane	1.75	50	164414	17.65	ug/l	97
4) Vinyl Chloride	1.84	62	130690	17.89	ug/l	98
5) Bromomethane	2.12	94	12952	10.27	ug/l	82
6) Chloroethane	2.23	64	31344	11.84	ug/l	94
7) Trichlorofluoromethane	2.49	101	144798	17.13	ug/l	100
8) Diethyl Ether	2.81	74	36249	19.12	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	103033	19.91	ug/l	96
10) Methyl Iodide	3.22	142	74512	16.04	ug/l	96
11) Tert butyl alcohol	3.97	59	75938	102.62	ug/l #	93
12) 1,1-Dichloroethene	3.06	96	77055	19.12	ug/l	98
13) Acrolein	2.97	56	25510	79.48	ug/l	96
14) Allyl chloride	3.52	41	174120	19.10	ug/l	96
15) Acrylonitrile	4.07	53	279244	100.77	ug/l	98
16) Acetone	3.14	43	161609	91.47	ug/l	97
17) Carbon Disulfide	3.29	76	198531	15.87	ug/l	99
18) Methyl Acetate	3.54	43	63584	17.24	ug/l	97
19) Methyl tert-butyl Ether	4.11	73	458329	20.11	ug/l	100
20) Methylene Chloride	3.71	84	259518	19.76	ug/l	96
21) trans-1,2-Dichloroethene	4.08	96	199273	17.95	ug/l	92
22) Diisopropyl ether	4.85	45	919846	19.79	ug/l	96
23) Vinyl Acetate	4.79	43	2755364	106.02	ug/l	99
24) 1,1-Dichloroethane	4.74	63	390784	19.46	ug/l	99
25) 2-Butanone	5.61	43	463502	88.58	ug/l	100
26) 2,2-Dichloropropane	5.58	77	324188	19.31	ug/l	98
27) cis-1,2-Dichloroethene	5.58	96	236345	19.44	ug/l	98
28) Bromochloromethane	5.91	49	194230	20.18	ug/l	99
29) Tetrahydrofuran	5.95	42	244537	98.16	ug/l	100
30) Chloroform	6.09	83	407780	19.98	ug/l	100
31) Cyclohexane	6.35	56	318536	17.25	ug/l	98
32) 1,1,1-Trichloroethane	6.28	97	330169	19.06	ug/l	97
36) 1,1-Dichloropropene	6.51	75	277898	19.24	ug/l	93
37) Ethyl Acetate	5.68	43	233386	20.76	ug/l	97
38) Carbon Tetrachloride	6.49	117	282913	19.41	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	268039	17.17	ug/l	97
40) Benzene	6.79	78	679636	18.09	ug/l	98
41) Methacrylonitrile	5.91	41	109175m	19.28	ug/l	
42) 1,2-Dichloroethane	6.88	62	238304	19.76	ug/l	98
43) Isopropyl Acetate	8.34	43	293490	20.07	ug/l #	98
44) Trichloroethene	7.73	130	208365	18.84	ug/l	96
45) 1,2-Dichloropropane	8.09	63	206532	19.67	ug/l	98
46) Dibromomethane	8.20	93	129768	19.22	ug/l	92
47) Bromodichloromethane	8.49	83	306467	20.05	ug/l	100
48) Methyl methacrylate	8.24	41	167430	19.64	ug/l	97
49) 1,4-Dioxane	8.22	88	29130	382.74	ug/l	95
51) 4-Methyl-2-Pentanone	9.33	43	1002451	91.95	ug/l	97
52) Toluene	9.54	92	468835	19.47	ug/l	98
53) t-1,3-Dichloropropene	9.92	75	285377	20.19	ug/l	97
54) cis-1,3-Dichloropropene	9.10	75	331921	20.25	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	170617	19.38	ug/l	98
56) Ethyl methacrylate	10.02	69	204150	20.09	ug/l	97
57) 1,3-Dichloropropane	10.38	76	260907	20.47	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	558493	114.58	ug/l	98
59) 2-Hexanone	10.49	43	748604	93.09	ug/l	98
60) Dibromochloromethane	10.63	129	218566	19.75	ug/l	99
61) 1,2-Dibromoethane	10.75	107	176032	19.77	ug/l	98
64) Tetrachloroethene	10.25	164	194733	19.10	ug/l	98
65) Chlorobenzene	11.31	112	538378	20.54	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.42	131	198328	20.72	ug/l	100
67) Ethyl Benzene	11.42	91	928362	21.06	ug/l	96
68) m/p-Xylenes	11.56	106	675466	42.08	ug/l	94
69) o-Xylene	11.93	106	321326	20.47	ug/l	94
70) Styrene	11.95	104	557764	20.52	ug/l	97
71) Bromoform	12.11	173	169711	20.49	ug/l	99
73) Isopropylbenzene	12.28	105	861305	18.73	ug/l	99
74) N-amyl acetate	12.13	43	397122	19.72	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	213713	20.09	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	220492	19.69	ug/l	98
77) Bromobenzene	12.54	156	251942	19.76	ug/l	83
78) n-propylbenzene	12.63	91	1145920	19.68	ug/l	97
79) 2-Chlorotoluene	12.70	91	646263	19.62	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	752101	20.57	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.34	75	64890	18.63	ug/l	98
82) 4-Chlorotoluene	12.81	91	776550	20.67	ug/l	96
83) tert-Butylbenzene	13.04	119	820235	19.69	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	757500	19.88	ug/l	97
85) sec-Butylbenzene	13.22	105	934340	19.08	ug/l	98
86) p-Isopropyltoluene	13.34	119	783383	19.67	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	443359	19.48	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	447810	19.72	ug/l	99
89) n-Butylbenzene	13.64	91	839867	19.41	ug/l	97
90) Hexachloroethane	13.85	117	195191	18.25	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	409931	21.18	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	33232	20.32	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	323951	19.55	ug/l	99
94) Hexachlorobutadiene	14.87	225	216458	19.93	ug/l	98
95) Naphthalene	14.96	128	489827	19.34	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	274371	19.36	ug/l	97

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

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