

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090418\
 Data File : VD059946.D
 Acq On : 4 Sep 2018 16:00
 Operator : JC/SY
 Sample : VD0904SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Manual Integrations
 APPROVED

apatel
 9/5/2018 12:25:44 PM

Quant Time: Sep 05 04:11:29 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	1174585	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.41	114	1602093	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1342870	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	741697	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.75	65	484941	48.98	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	97.96%	
35) Dibromofluoromethane	6.29	113	618140	49.21	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	9.43	98	1678593	48.15	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	96.30%	
62) 4-Bromofluorobenzene	12.42	95	666241	47.06	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	169390	16.13	ug/l	97
3) Chloromethane	1.73	50	149810	15.75	ug/l	99
4) Vinyl Chloride	1.82	62	122339	16.40	ug/l	96
5) Bromomethane	2.11	94	11743	9.12	ug/l	91
6) Chloroethane	2.21	64	29470	10.97	ug/l	99
7) Trichlorofluoromethane	2.46	101	147384	17.08	ug/l	100
8) Diethyl Ether	2.80	74	33470	17.29	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.04	101	108107	20.46	ug/l	97
10) Methyl Iodide	3.20	142	73709	15.65	ug/l	98
11) Tert butyl alcohol	3.95	59	78936	104.50	ug/l	97
12) 1,1-Dichloroethene	3.03	96	80127	19.48	ug/l	93
13) Acrolein	2.94	56	20403	62.27	ug/l	86
14) Allyl chloride	3.48	41	177593	19.08	ug/l	99
15) Acrylonitrile	4.05	53	299653	105.93	ug/l	96
16) Acetone	3.13	43	179828	99.70	ug/l	99
17) Carbon Disulfide	3.27	76	190905	14.95	ug/l	98
18) Methyl Acetate	3.51	43	79955	21.24	ug/l	97
19) Methyl tert-butyl Ether	4.09	73	460271	19.78	ug/l	98
20) Methylene Chloride	3.68	84	367083	28.92	ug/l	96
21) trans-1,2-Dichloroethene	4.06	96	205699	18.15	ug/l	99
22) Diisopropyl ether	4.81	45	930276	19.60	ug/l	99
23) Vinyl Acetate	4.76	43	2776800	104.66	ug/l	99
24) 1,1-Dichloroethane	4.71	63	400766	19.55	ug/l	99
25) 2-Butanone	5.59	43	487337	91.23	ug/l	97
26) 2,2-Dichloropropane	5.55	77	325775	19.01	ug/l	97
27) cis-1,2-Dichloroethene	5.55	96	248085	19.99	ug/l	96
28) Bromochloromethane	5.89	49	207533	21.12	ug/l	98
29) Tetrahydrofuran	5.93	42	275267	108.24	ug/l	100
30) Chloroform	6.07	83	422456	20.27	ug/l	97
31) Cyclohexane	6.33	56	315439	16.73	ug/l	97
32) 1,1,1-Trichloroethane	6.26	97	332818	18.82	ug/l	99
36) 1,1-Dichloropropene	6.49	75	273943	18.86	ug/l	96
37) Ethyl Acetate	5.67	43	245853	21.75	ug/l	97
38) Carbon Tetrachloride	6.47	117	281166	19.18	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	289872	18.47	ug/l	96
40) Benzene	6.76	78	758513	20.09	ug/l	99
41) Methacrylonitrile	5.89	41	133502m	23.45	ug/l	
42) 1,2-Dichloroethane	6.86	62	247131	20.39	ug/l	100
43) Isopropyl Acetate	8.33	43	300079	20.41	ug/l #	99
44) Trichloroethene	7.72	130	220557	19.84	ug/l	99
45) 1,2-Dichloropropane	8.08	63	215436	20.41	ug/l	98
46) Dibromomethane	8.19	93	137804	20.30	ug/l	96
47) Bromodichloromethane	8.46	83	305413	19.88	ug/l	97
48) Methyl methacrylate	8.22	41	173133	20.20	ug/l	96
49) 1,4-Dioxane	8.21	88	33905	443.10	ug/l #	91
51) 4-Methyl-2-Pentanone	9.32	43	1062673	96.95	ug/l	98
52) Toluene	9.53	92	495453	20.46	ug/l	97
53) t-1,3-Dichloropropene	9.90	75	283635	19.96	ug/l	97
54) cis-1,3-Dichloropropene	9.08	75	331739	20.13	ug/l	97
55) 1,1,2-Trichloroethane	10.17	97	181739	20.53	ug/l	98
56) Ethyl methacrylate	10.01	69	214457	20.99	ug/l	97
57) 1,3-Dichloropropane	10.36	76	270566	21.12	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.90	63	589308	120.26	ug/l	99
59) 2-Hexanone	10.47	43	787975	97.47	ug/l	98
60) Dibromochloromethane	10.62	129	225616	20.28	ug/l	94
61) 1,2-Dibromoethane	10.75	107	181484	20.28	ug/l	97
64) Tetrachloroethene	10.24	164	203218	19.57	ug/l	99
65) Chlorobenzene	11.30	112	547819	20.53	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	208165	21.35	ug/l	97
67) Ethyl Benzene	11.42	91	963892	21.47	ug/l	99
68) m/p-Xylenes	11.55	106	716639	43.84	ug/l	96
69) o-Xylene	11.92	106	333077	20.83	ug/l	94
70) Styrene	11.95	104	577246	20.85	ug/l	99
71) Bromoform	12.11	173	172792	20.48	ug/l	97
73) Isopropylbenzene	12.26	105	945012	19.96	ug/l	99
74) N-amyl acetate	12.13	43	411443	19.85	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	224073	20.46	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	229519	19.91	ug/l	100
77) Bromobenzene	12.53	156	269220	20.51	ug/l	92
78) n-propylbenzene	12.63	91	1228812	20.50	ug/l	99
79) 2-Chlorotoluene	12.70	91	665032	19.61	ug/l	96
80) 1,3,5-Trimethylbenzene	12.78	105	750068	19.93	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.33	75	65765	18.34	ug/l	100
82) 4-Chlorotoluene	12.80	91	762395	19.71	ug/l	98
83) tert-Butylbenzene	13.04	119	872562	20.35	ug/l	100
84) 1,2,4-Trimethylbenzene	13.08	105	793145	20.22	ug/l	99
85) sec-Butylbenzene	13.21	105	1009817	20.03	ug/l	98
86) p-Isopropyltoluene	13.34	119	844154	20.58	ug/l	100
87) 1,3-Dichlorobenzene	13.31	146	487436	20.80	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	497184	21.26	ug/l	98
89) n-Butylbenzene	13.64	91	861716	19.34	ug/l	98
90) Hexachloroethane	13.85	117	199416	18.11	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	436717	21.92	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	33153	19.69	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	361674	21.20	ug/l	99
94) Hexachlorobutadiene	14.87	225	233098	20.84	ug/l	99
95) Naphthalene	14.96	128	552622	21.19	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	311203	21.33	ug/l	98

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

