

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090618\
 Data File : VD059981.D
 Acq On : 6 Sep 2018 13:05
 Operator : JC/SY
 Sample : VD0906SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBS01

Manual Integrations
 APPROVED

apatel
 9/7/2018 10:24:29 AM

Quant Time: Sep 07 04:20:37 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	1235167	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1654018	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.28	117	1419900	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	771620	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	514200	49.39	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	98.78%	
35) Dibromofluoromethane	6.30	113	692116	53.37	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	106.74%	
50) Toluene-d8	9.43	98	1884508	52.36	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.42	95	751234	51.39	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	176004m	15.94	ug/l	
3) Chloromethane	1.73	50	156103	15.61	ug/l	99
4) Vinyl Chloride	1.83	62	129594	16.52	ug/l	100
5) Bromomethane	2.10	94	10974	8.10	ug/l	92
6) Chloroethane	2.22	64	32667	11.52	ug/l	93
7) Trichlorofluoromethane	2.47	101	159537	17.58	ug/l	100
8) Diethyl Ether	2.79	74	36517	17.94	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.05	101	113803	20.48	ug/l	96
10) Methyl Iodide	3.21	142	84727	16.79	ug/l	# 97
11) Tert butyl alcohol	3.95	59	82251	103.55	ug/l	98
12) 1,1-Dichloroethene	3.04	96	80304	18.56	ug/l	96
13) Acrolein	2.95	56	17819	51.72	ug/l	94
14) Allyl chloride	3.49	41	194298	19.85	ug/l	98
15) Acrylonitrile	4.05	53	308992	103.87	ug/l	97
16) Acetone	3.13	43	179515	94.65	ug/l	99
17) Carbon Disulfide	3.27	76	188893	14.07	ug/l	99
18) Methyl Acetate	3.52	43	68396	17.27	ug/l	98
19) Methyl tert-butyl Ether	4.09	73	491216	20.07	ug/l	99
20) Methylene Chloride	3.68	84	258578	18.05	ug/l	98
21) trans-1,2-Dichloroethene	4.05	96	221603	18.59	ug/l	99
22) Diisopropyl ether	4.82	45	1006202	20.16	ug/l	99
23) Vinyl Acetate	4.77	43	2919408	104.64	ug/l	100
24) 1,1-Dichloroethane	4.72	63	425911	19.75	ug/l	99
25) 2-Butanone	5.60	43	504291	89.77	ug/l	97
26) 2,2-Dichloropropane	5.56	77	349861	19.41	ug/l	98
27) cis-1,2-Dichloroethene	5.56	96	269462	20.65	ug/l	98
28) Bromochloromethane	5.89	49	208365	20.16	ug/l	98
29) Tetrahydrofuran	5.93	42	265712	99.36	ug/l	99
30) Chloroform	6.08	83	445461	20.33	ug/l	100
31) Cyclohexane	6.34	56	341200	17.21	ug/l	97
32) 1,1,1-Trichloroethane	6.27	97	354525	19.06	ug/l	99
36) 1,1-Dichloropropene	6.49	75	293935	19.60	ug/l	99
37) Ethyl Acetate	5.68	43	252400	21.63	ug/l	96
38) Carbon Tetrachloride	6.47	117	288276	19.05	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	310859	19.19	ug/l	96
40) Benzene	6.77	78	796497	20.43	ug/l	100
41) Methacrylonitrile	5.89	41	140682m	23.94	ug/l	
42) 1,2-Dichloroethane	6.87	62	248112	19.82	ug/l	98
43) Isopropyl Acetate	8.33	43	317375	20.91	ug/l	99
44) Trichloroethene	7.71	130	242746	21.15	ug/l	99
45) 1,2-Dichloropropane	8.09	63	233453	21.42	ug/l	99
46) Dibromomethane	8.20	93	146509	20.91	ug/l	96
47) Bromodichloromethane	8.47	83	321063	20.24	ug/l	96
48) Methyl methacrylate	8.22	41	179874	20.33	ug/l	97
49) 1,4-Dioxane	8.21	88	35393	448.03	ug/l #	88
51) 4-Methyl-2-Pentanone	9.33	43	1055809	93.30	ug/l	98
52) Toluene	9.53	92	526872	21.08	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	294791	20.09	ug/l	97
54) cis-1,3-Dichloropropene	9.08	75	349445	20.54	ug/l	99
55) 1,1,2-Trichloroethane	10.16	97	198160	21.68	ug/l	98
56) Ethyl methacrylate	10.02	69	216203	20.50	ug/l	98
57) 1,3-Dichloropropane	10.37	76	289292	21.87	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.90	63	607335	120.04	ug/l	97
59) 2-Hexanone	10.48	43	796168	95.39	ug/l	99
60) Dibromochloromethane	10.63	129	233921	20.37	ug/l	97
61) 1,2-Dibromoethane	10.74	107	197992	21.43	ug/l	98
64) Tetrachloroethene	10.24	164	223665	20.37	ug/l	97
65) Chlorobenzene	11.30	112	615074	21.80	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	222454	21.58	ug/l	99
67) Ethyl Benzene	11.42	91	1040769	21.93	ug/l	99
68) m/p-Xylenes	11.56	106	753418	43.59	ug/l	98
69) o-Xylene	11.92	106	365271	21.61	ug/l	100
70) Styrene	11.94	104	638554	21.82	ug/l	97
71) Bromoform	12.11	173	168413	18.88	ug/l #	95
73) Isopropylbenzene	12.27	105	1013072	20.57	ug/l	99
74) N-amyl acetate	12.13	43	409800	19.00	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	234111	20.55	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	238919	19.92	ug/l	100
77) Bromobenzene	12.53	156	290050	21.24	ug/l	87
78) n-propylbenzene	12.63	91	1319937	21.16	ug/l	98
79) 2-Chlorotoluene	12.70	91	723489	20.51	ug/l	94
80) 1,3,5-Trimethylbenzene	12.79	105	803116	20.51	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	64891	17.39	ug/l	93
82) 4-Chlorotoluene	12.80	91	811041	20.16	ug/l	94
83) tert-Butylbenzene	13.04	119	829620m	18.60	ug/l	
84) 1,2,4-Trimethylbenzene	13.09	105	840275	20.59	ug/l	99
85) sec-Butylbenzene	13.21	105	1097210	20.92	ug/l	99
86) p-Isopropyltoluene	13.33	119	896264	21.01	ug/l	96
87) 1,3-Dichlorobenzene	13.30	146	515055	21.13	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	521855	21.45	ug/l	97
89) n-Butylbenzene	13.64	91	926892	20.07	ug/l	96
90) Hexachloroethane	13.85	117	206301	18.01	ug/l	85
91) 1,2-Dichlorobenzene	13.66	146	461341	22.25	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	30924	17.65	ug/l	67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	377493	21.27	ug/l	98
94) Hexachlorobutadiene	14.88	225	251453	21.61	ug/l	99
95) Naphthalene	14.97	128	563582	20.78	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	326710	21.52	ug/l	98

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

