

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082418\
 Data File : VD059903.D
 Acq On : 24 Aug 2018 13:29
 Operator : JC/SY
 Sample : VD0824SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBS01

Manual Integrations
 APPROVED

apatel
 8/27/2018 10:48:40 AM

Quant Time: Aug 24 14:57:04 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	6.40	168	1248011	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.43	114	1780034	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1519520	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	790460	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	558505	53.10	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	106.20%	
35) Dibromofluoromethane	6.31	113	670294	48.03	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.06%	
50) Toluene-d8	9.45	98	1839042	47.48	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.96%	
62) 4-Bromofluorobenzene	12.42	95	725372	46.11	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	92.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	201686	18.08	ug/l	98
3) Chloromethane	1.75	50	196605	19.45	ug/l	98
4) Vinyl Chloride	1.84	62	157270	19.85	ug/l	99
5) Bromomethane	2.13	94	14153	10.34	ug/l	99
6) Chloroethane	2.23	64	34296	11.94	ug/l	99
7) Trichlorofluoromethane	2.49	101	174824	19.07	ug/l	98
8) Diethyl Ether	2.81	74	43108	20.96	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	126041	22.45	ug/l	97
10) Methyl Iodide	3.23	142	107037	20.12	ug/l	98
11) Tert butyl alcohol	3.97	59	86687	108.01	ug/l	99
12) 1,1-Dichloroethene	3.05	96	92247	21.11	ug/l	96
13) Acrolein	2.97	56	29986	86.14	ug/l	93
14) Allyl chloride	3.51	41	202708	20.50	ug/l	97
15) Acrylonitrile	4.07	53	312658	104.03	ug/l	97
16) Acetone	3.15	43	191872	100.12	ug/l	95
17) Carbon Disulfide	3.30	76	228558	16.85	ug/l	98
18) Methyl Acetate	3.54	43	77249	19.31	ug/l	97
19) Methyl tert-butyl Ether	4.10	73	505863	20.46	ug/l	97
20) Methylene Chloride	3.70	84	284552	20.01	ug/l	96
21) trans-1,2-Dichloroethene	4.08	96	222563	18.48	ug/l	98
22) Diisopropyl ether	4.84	45	1068582	21.19	ug/l	100
23) Vinyl Acetate	4.79	43	3085552	109.46	ug/l	100
24) 1,1-Dichloroethane	4.74	63	444033	20.38	ug/l	99
25) 2-Butanone	5.61	43	540416	95.21	ug/l	99
26) 2,2-Dichloropropane	5.57	77	377097	20.71	ug/l	95
27) cis-1,2-Dichloroethene	5.58	96	268839	20.39	ug/l	99
28) Bromochloromethane	5.91	49	235895	22.59	ug/l	99
29) Tetrahydrofuran	5.94	42	283859	105.05	ug/l	99
30) Chloroform	6.09	83	459286	20.74	ug/l	98
31) Cyclohexane	6.36	56	358807	17.92	ug/l	99
32) 1,1,1-Trichloroethane	6.28	97	375427	19.98	ug/l	99
36) 1,1-Dichloropropene	6.51	75	318466	19.74	ug/l	96
37) Ethyl Acetate	5.69	43	246643	19.64	ug/l	99
38) Carbon Tetrachloride	6.49	117	307321	18.87	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	321093	18.42	ug/l	99
40) Benzene	6.78	78	832674	19.85	ug/l	99
41) Methacrylonitrile	5.91	41	141928m	22.44	ug/l	
42) 1,2-Dichloroethane	6.88	62	274575	20.39	ug/l	99
43) Isopropyl Acetate	8.35	43	335886	20.56	ug/l	99
44) Trichloroethene	7.73	130	239738	19.41	ug/l	95
45) 1,2-Dichloropropane	8.09	63	234248	19.97	ug/l	99
46) Dibromomethane	8.21	93	151527	20.09	ug/l	97
47) Bromodichloromethane	8.48	83	347069	20.33	ug/l	99
48) Methyl methacrylate	8.24	41	197166	20.71	ug/l	99
49) 1,4-Dioxane	8.23	88	35457	417.06	ug/l	96
51) 4-Methyl-2-Pentanone	9.34	43	1130666	92.84	ug/l	97
52) Toluene	9.54	92	532939	19.81	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	322330	20.41	ug/l	97
54) cis-1,3-Dichloropropene	9.09	75	369204	20.17	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	201086	20.45	ug/l	97
56) Ethyl methacrylate	10.03	69	231397	20.39	ug/l	96
57) 1,3-Dichloropropane	10.37	76	301667	21.19	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	643644	118.21	ug/l	100
59) 2-Hexanone	10.48	43	847621	94.36	ug/l	98
60) Dibromochloromethane	10.64	129	252289	20.41	ug/l	97
61) 1,2-Dibromoethane	10.76	107	198778	19.99	ug/l	98
64) Tetrachloroethene	10.24	164	222531	18.94	ug/l	97
65) Chlorobenzene	11.31	112	604055	20.00	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	224939	20.39	ug/l	99
67) Ethyl Benzene	11.43	91	1054152	20.75	ug/l	99
68) m/p-Xylenes	11.56	106	772339	41.76	ug/l	98
69) o-Xylene	11.93	106	368099	20.35	ug/l	90
70) Styrene	11.96	104	644346	20.57	ug/l	99
71) Bromoform	12.11	173	181164	18.98	ug/l	98
73) Isopropylbenzene	12.27	105	1036947	20.55	ug/l	99
74) N-amyl acetate	12.13	43	454171	20.56	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	244391	20.94	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	249471	20.31	ug/l	97
77) Bromobenzene	12.54	156	287704	20.57	ug/l	93
78) n-propylbenzene	12.64	91	1307217	20.46	ug/l	100
79) 2-Chlorotoluene	12.70	91	749082	20.73	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	838770	20.91	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	70935	18.56	ug/l	94
82) 4-Chlorotoluene	12.80	91	863277	20.95	ug/l	89
83) tert-Butylbenzene	13.04	119	940119	20.57	ug/l	91
84) 1,2,4-Trimethylbenzene	13.09	105	864126	20.67	ug/l	99
85) sec-Butylbenzene	13.22	105	1097247	20.42	ug/l	99
86) p-Isopropyltoluene	13.33	119	870679	19.92	ug/l	94
87) 1,3-Dichlorobenzene	13.31	146	521679	20.89	ug/l	96
88) 1,4-Dichlorobenzene	13.38	146	512823	20.58	ug/l	97
89) n-Butylbenzene	13.64	91	976457	20.71	ug/l	94
90) Hexachloroethane	13.86	117	222703	18.98	ug/l	88
91) 1,2-Dichlorobenzene	13.66	146	466567	21.97	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	35903	20.01	ug/l	61

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	359425	19.77	ug/l	97
94) Hexachlorobutadiene	14.88	225	238426	20.00	ug/l	98
95) Naphthalene	14.97	128	550538	19.81	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	310139	19.94	ug/l	98

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

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