

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082418\
 Data File : VD059902.D
 Acq On : 24 Aug 2018 13:01
 Operator : JC/SY
 Sample : VD0824SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBS01

Manual Integrations
 APPROVED

apatel
 8/27/2018 10:48:35 AM

Quant Time: Aug 24 14:55:22 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	1188094	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1665102	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	1373656	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	744001	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	507436	50.67	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	101.34%	
35) Dibromofluoromethane	6.29	113	640928	49.10	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	98.20%	
50) Toluene-d8	9.43	98	1822583	50.31	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.41	95	738179	50.16	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	190555	17.94	ug/l	100
3) Chloromethane	1.74	50	177678	18.47	ug/l	96
4) Vinyl Chloride	1.84	62	141848	18.80	ug/l	100
5) Bromomethane	2.11	94	12909	9.91	ug/l #	78
6) Chloroethane	2.22	64	33952	12.38	ug/l	98
7) Trichlorofluoromethane	2.48	101	161950	18.56	ug/l	98
8) Diethyl Ether	2.80	74	38231	19.53	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.06	101	116643	21.82	ug/l	96
10) Methyl Iodide	3.21	142	92706	18.62	ug/l	91
11) Tert butyl alcohol	3.95	59	75759	99.15	ug/l	96
12) 1,1-Dichloroethene	3.04	96	84859	20.39	ug/l	95
13) Acrolein	2.96	56	26428	79.75	ug/l	89
14) Allyl chloride	3.50	41	183313	19.47	ug/l	99
15) Acrylonitrile	4.05	53	281696	98.45	ug/l	97
16) Acetone	3.13	43	166407	91.21	ug/l	98
17) Carbon Disulfide	3.28	76	207476	16.06	ug/l	99
18) Methyl Acetate	3.53	43	64623	16.97	ug/l #	92
19) Methyl tert-butyl Ether	4.09	73	457693	19.44	ug/l	99
20) Methylene Chloride	3.69	84	261558	19.19	ug/l	97
21) trans-1,2-Dichloroethene	4.06	96	209798	18.30	ug/l	94
22) Diisopropyl ether	4.83	45	980869	20.43	ug/l	98
23) Vinyl Acetate	4.77	43	2797870	104.26	ug/l	99
24) 1,1-Dichloroethane	4.72	63	423234	20.41	ug/l	100
25) 2-Butanone	5.60	43	462872	85.66	ug/l	100
26) 2,2-Dichloropropane	5.56	77	351164	20.25	ug/l	97
27) cis-1,2-Dichloroethene	5.57	96	247529	19.72	ug/l	97
28) Bromochloromethane	5.90	49	207854	20.91	ug/l	96
29) Tetrahydrofuran	5.93	42	241074	93.72	ug/l	98
30) Chloroform	6.08	83	428048	20.31	ug/l	100
31) Cyclohexane	6.34	56	335429	17.59	ug/l	98
32) 1,1,1-Trichloroethane	6.26	97	355051	19.85	ug/l	99
36) 1,1-Dichloropropene	6.50	75	292692	19.39	ug/l	97
37) Ethyl Acetate	5.67	43	213860	18.21	ug/l	99
38) Carbon Tetrachloride	6.47	117	296399	19.46	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	302386	18.54	ug/l	98
40) Benzene	6.77	78	788426	20.09	ug/l	100
41) Methacrylonitrile	5.89	41	125755m	21.25	ug/l	
42) 1,2-Dichloroethane	6.87	62	255937	20.31	ug/l	98
43) Isopropyl Acetate	8.33	43	291037	19.05	ug/l	97
44) Trichloroethene	7.72	130	219808	19.02	ug/l	92
45) 1,2-Dichloropropane	8.08	63	223020	20.33	ug/l	99
46) Dibromomethane	8.19	93	133600	18.94	ug/l	98
47) Bromodichloromethane	8.47	83	324605	20.33	ug/l	99
48) Methyl methacrylate	8.22	41	171213	19.22	ug/l	97
49) 1,4-Dioxane	8.21	88	31102	391.09	ug/l	97
51) 4-Methyl-2-Pentanone	9.32	43	971801	85.30	ug/l	96
52) Toluene	9.53	92	498466	19.81	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	291521	19.74	ug/l	100
54) cis-1,3-Dichloropropene	9.08	75	337800	19.73	ug/l	97
55) 1,1,2-Trichloroethane	10.16	97	185343	20.15	ug/l	98
56) Ethyl methacrylate	10.01	69	202287	19.05	ug/l	97
57) 1,3-Dichloropropane	10.37	76	271070	20.36	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.90	63	565600	111.05	ug/l	99
59) 2-Hexanone	10.48	43	753584	89.68	ug/l	99
60) Dibromochloromethane	10.62	129	226581	19.60	ug/l	99
61) 1,2-Dibromoethane	10.74	107	170500	18.33	ug/l	98
64) Tetrachloroethene	10.23	164	210423	19.81	ug/l	97
65) Chlorobenzene	11.30	112	564219	20.67	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	211836	21.24	ug/l	99
67) Ethyl Benzene	11.42	91	977792	21.29	ug/l	100
68) m/p-Xylenes	11.56	106	712450	42.61	ug/l	99
69) o-Xylene	11.92	106	342310	20.93	ug/l	90
70) Styrene	11.94	104	605494	21.38	ug/l	96
71) Bromoform	12.11	173	169646	19.66	ug/l #	98
73) Isopropylbenzene	12.27	105	997572	21.00	ug/l	99
74) N-amyl acetate	12.12	43	403804	19.42	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.55	83	212769	19.37	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	223198	19.30	ug/l	99
77) Bromobenzene	12.53	156	272388	20.69	ug/l	87
78) n-propylbenzene	12.63	91	1258513	20.93	ug/l	99
79) 2-Chlorotoluene	12.70	91	705001	20.73	ug/l	95
80) 1,3,5-Trimethylbenzene	12.78	105	787250	20.85	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.34	75	66822	18.58	ug/l	95
82) 4-Chlorotoluene	12.80	91	811457	20.92	ug/l	94
83) tert-Butylbenzene	13.03	119	908863	21.13	ug/l	93
84) 1,2,4-Trimethylbenzene	13.08	105	836399	21.25	ug/l	99
85) sec-Butylbenzene	13.21	105	1064454	21.04	ug/l	98
86) p-Isopropyltoluene	13.33	119	859415	20.89	ug/l	96
87) 1,3-Dichlorobenzene	13.30	146	488191	20.77	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	490501	20.91	ug/l	97
89) n-Butylbenzene	13.64	91	926162	20.89	ug/l	95
90) Hexachloroethane	13.85	117	215803	19.54	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	439372	21.98	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	30431	18.02	ug/l	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	337804	19.74	ug/l	97
94) Hexachlorobutadiene	14.88	225	233935	20.85	ug/l	99
95) Naphthalene	14.96	128	512483	19.59	ug/l	100
96) 1,2,3-Trichlorobenzene	15.10	180	288928	19.74	ug/l	96

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

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