

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090518\
 Data File : VD059962.D
 Acq On : 5 Sep 2018 11:51
 Operator : JC/SY
 Sample : VD0905SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBS01

Manual Integrations
 APPROVED

apatel
 9/6/2018 2:16:44 PM

Quant Time: Sep 05 15:06:54 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	1293355	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1723526	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1467298	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	775119	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.76	65	510642	46.84	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	93.68%	
35) Dibromofluoromethane	6.30	113	688171	50.93	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.86%	
50) Toluene-d8	9.44	98	1859196	49.58	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.42	95	754428	49.53	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	192236	16.63	ug/l	98
3) Chloromethane	1.74	50	167611	16.00	ug/l	95
4) Vinyl Chloride	1.83	62	137195	16.71	ug/l	97
5) Bromomethane	2.12	94	12158	8.57	ug/l	100
6) Chloroethane	2.23	64	36530	12.25	ug/l	91
7) Trichlorofluoromethane	2.47	101	178524	18.79	ug/l	98
8) Diethyl Ether	2.80	74	40119	18.82	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.05	101	121334	20.85	ug/l	93
10) Methyl Iodide	3.21	142	89455	16.90	ug/l	97
11) Tert butyl alcohol	3.96	59	83090	99.90	ug/l #	95
12) 1,1-Dichloroethene	3.04	96	88874	19.62	ug/l	94
13) Acrolein	2.95	56	17976	49.83	ug/l	100
14) Allyl chloride	3.51	41	193155	18.85	ug/l	96
15) Acrylonitrile	4.06	53	298428	95.81	ug/l	100
16) Acetone	3.13	43	186035	93.67	ug/l	96
17) Carbon Disulfide	3.28	76	203642	14.48	ug/l	100
18) Methyl Acetate	3.52	43	70071	16.90	ug/l #	93
19) Methyl tert-butyl Ether	4.10	73	487036	19.01	ug/l	96
20) Methylene Chloride	3.68	84	365886	25.80	ug/l	96
21) trans-1,2-Dichloroethene	4.07	96	221398	17.74	ug/l	96
22) Diisopropyl ether	4.82	45	1024771	19.61	ug/l	99
23) Vinyl Acetate	4.77	43	3002696	102.78	ug/l	100
24) 1,1-Dichloroethane	4.73	63	440880	19.53	ug/l	100
25) 2-Butanone	5.59	43	512138	87.07	ug/l	97
26) 2,2-Dichloropropane	5.55	77	371483	19.68	ug/l	95
27) cis-1,2-Dichloroethene	5.56	96	274701	20.10	ug/l	96
28) Bromochloromethane	5.90	49	217168	20.07	ug/l	92
29) Tetrahydrofuran	5.93	42	286354	102.26	ug/l	99
30) Chloroform	6.07	83	472206	20.58	ug/l	97
31) Cyclohexane	6.34	56	359487	17.32	ug/l	97
32) 1,1,1-Trichloroethane	6.26	97	368461	18.92	ug/l	98
36) 1,1-Dichloropropene	6.50	75	326794	20.92	ug/l	99
37) Ethyl Acetate	5.67	43	244638	20.12	ug/l	100
38) Carbon Tetrachloride	6.47	117	313169	19.86	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	320015	18.96	ug/l	99
40) Benzene	6.77	78	822665	20.25	ug/l	99
41) Methacrylonitrile	5.90	41	128300m	20.95	ug/l	
42) 1,2-Dichloroethane	6.87	62	264650	20.29	ug/l	100
43) Isopropyl Acetate	8.33	43	326950	20.67	ug/l	100
44) Trichloroethene	7.72	130	244427	20.43	ug/l	98
45) 1,2-Dichloropropane	8.08	63	236823	20.86	ug/l	100
46) Dibromomethane	8.19	93	148107	20.28	ug/l	99
47) Bromodichloromethane	8.46	83	339666	20.55	ug/l	98
48) Methyl methacrylate	8.23	41	188278	20.42	ug/l	98
49) 1,4-Dioxane	8.21	88	36259	440.48	ug/l #	87
51) 4-Methyl-2-Pentanone	9.32	43	1078041	91.42	ug/l	95
52) Toluene	9.53	92	533858	20.49	ug/l	100
53) t-1,3-Dichloropropene	9.90	75	310171	20.29	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	366167	20.66	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	195190	20.50	ug/l	98
56) Ethyl methacrylate	10.01	69	223373	20.33	ug/l	98
57) 1,3-Dichloropropane	10.36	76	290156	21.05	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	622466	118.07	ug/l	98
59) 2-Hexanone	10.47	43	804672	92.52	ug/l	97
60) Dibromochloromethane	10.62	129	241340	20.16	ug/l	98
61) 1,2-Dibromoethane	10.75	107	192217	19.96	ug/l	98
64) Tetrachloroethene	10.24	164	230457	20.31	ug/l	98
65) Chlorobenzene	11.30	112	622654	21.35	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	218462	20.51	ug/l	96
67) Ethyl Benzene	11.42	91	1024742	20.89	ug/l	98
68) m/p-Xylenes	11.55	106	750099	42.00	ug/l	95
69) o-Xylene	11.92	106	374537	21.44	ug/l	95
70) Styrene	11.95	104	631947	20.89	ug/l	99
71) Bromoform	12.11	173	174616	18.94	ug/l #	97
73) Isopropylbenzene	12.26	105	1015866	20.53	ug/l	99
74) N-amyl acetate	12.13	43	420666	19.42	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	236036	20.62	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	236755	19.65	ug/l	100
77) Bromobenzene	12.53	156	287850	20.98	ug/l	96
78) n-propylbenzene	12.63	91	1323865	21.13	ug/l	98
79) 2-Chlorotoluene	12.70	91	738082	20.83	ug/l	98
80) 1,3,5-Trimethylbenzene	12.78	105	820997	20.87	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	68860	18.38	ug/l	94
82) 4-Chlorotoluene	12.80	91	859229	21.26	ug/l	98
83) tert-Butylbenzene	13.04	119	929875	20.75	ug/l	98
84) 1,2,4-Trimethylbenzene	13.08	105	836275	20.40	ug/l	99
85) sec-Butylbenzene	13.22	105	1090206	20.69	ug/l	96
86) p-Isopropyltoluene	13.34	119	914328	21.33	ug/l	100
87) 1,3-Dichlorobenzene	13.31	146	528522	21.58	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	516500	21.14	ug/l	98
89) n-Butylbenzene	13.64	91	957926	20.73	ug/l	98
90) Hexachloroethane	13.85	117	212733	18.49	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	474373	22.78	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	31773	18.06	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	370434	20.78	ug/l	98
94) Hexachlorobutadiene	14.87	225	250461	21.43	ug/l	100
95) Naphthalene	14.96	128	559117	20.52	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	310866	20.38	ug/l	100

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

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