

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061418\
 Data File : VD058132.D
 Acq On : 14 Jun 2018 13:34
 Operator : VA/AP
 Sample : VD0614SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0614SBS01

Manual Integrations
 APPROVED

apatel
 6/15/2018 2:55:12 PM

Quant Time: Jun 15 13:47:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	885279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	1157905	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	888683	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	477224	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	395016	44.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.26%	
35) Dibromofluoromethane	5.55	113	426447	47.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.20%	
50) Toluene-d8	8.71	98	985256	46.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.52%	
62) 4-Bromofluorobenzene	11.93	95	414638	44.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.34	85	249944	21.036	ug/l	100
3) Chloromethane	1.49	50	115533	19.744	ug/l	100
4) Vinyl Chloride	1.56	62	111873	19.751	ug/l	98
5) Bromomethane	1.79	94	41641	18.757	ug/l	100
6) Chloroethane	1.88	64	40543	18.142	ug/l	97
7) Trichlorofluoromethane	2.09	101	163146	21.071	ug/l	96
8) Diethyl Ether	2.36	74	29209	20.307	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.56	101	100941	21.856	ug/l	97
10) Methyl Iodide	2.70	142	113311	19.014	ug/l	91
11) Tert butyl alcohol	3.27	59	24360m	102.744	ug/l	
12) 1,1-Dichloroethene	2.55	96	70751	19.927	ug/l	84
13) Acrolein	2.47	56	27482	80.936	ug/l	88
14) Allyl chloride	2.93	41	162238	19.808	ug/l	99
15) Acrylonitrile	3.38	53	111389	80.307	ug/l	88
16) Acetone	2.62	43	123470	96.829	ug/l	97
17) Carbon Disulfide	2.76	76	247061	19.208	ug/l #	95
18) Methyl Acetate	2.95	43	46835	18.987	ug/l #	85
19) Methyl tert-butyl Ether	3.41	73	325127	20.811	ug/l	98
20) Methylene Chloride	3.07	84	77597	20.491	ug/l	97
21) trans-1,2-Dichloroethene	3.39	96	160780	20.331	ug/l	97
22) Diisopropyl ether	4.08	45	627615	19.342	ug/l	98
23) Vinyl Acetate	4.03	43	1602912	95.609	ug/l	98
24) 1,1-Dichloroethane	3.98	63	369149	20.700	ug/l	99
25) 2-Butanone	4.85	43	269491	92.995	ug/l #	88
26) 2,2-Dichloropropane	4.81	77	305696	20.809	ug/l	99
27) cis-1,2-Dichloroethene	4.81	96	199082	21.226	ug/l	97
28) Bromochloromethane	5.15	49	157523	20.409	ug/l	88
29) Tetrahydrofuran	5.19	42	143378	94.384	ug/l	98
30) Chloroform	5.33	83	376267	20.965	ug/l	97
31) Cyclohexane	5.60	56	310111	20.151	ug/l	96
32) 1,1,1-Trichloroethane	5.52	97	312992	20.828	ug/l	98
36) 1,1-Dichloropropene	5.75	75	279863	21.938	ug/l	97
37) Ethyl Acetate	4.92	43	141316	20.301	ug/l	98
38) Carbon Tetrachloride	5.73	117	267001	21.237	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	277738	21.962	ug/l	96
40) Benzene	6.02	78	651996	21.878	ug/l	99
41) Methacrylonitrile	5.13	41	66032	20.747	ug/l	98
42) 1,2-Dichloroethane	6.14	62	245007	20.334	ug/l	99
43) Isopropyl Acetate	7.62	43	173826	19.065	ug/l #	97
44) Trichloroethene	6.98	130	187318	21.519	ug/l	95
45) 1,2-Dichloropropane	7.36	63	174179	21.029	ug/l	100
46) Dibromomethane	7.46	93	108889	20.465	ug/l	99
47) Bromodichloromethane	7.75	83	255576	20.515	ug/l	97
48) Methyl methacrylate	7.51	41	99866	17.796	ug/l	95
49) 1,4-Dioxane	7.49	88	16783	361.005	ug/l #	86
51) 4-Methyl-2-Pentanone	8.61	43	590556	100.982	ug/l	95
52) Toluene	8.80	92	373600	21.844	ug/l	98
53) t-1,3-Dichloropropene	9.20	75	221198	20.608	ug/l	99
54) cis-1,3-Dichloropropene	8.36	75	262527	20.761	ug/l	97
55) 1,1,2-Trichloroethane	9.46	97	118781	21.459	ug/l	96
56) Ethyl methacrylate	9.32	69	138685	20.425	ug/l	99
57) 1,3-Dichloropropane	9.67	76	207351	21.358	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.19	63	354176	103.244	ug/l	99
59) 2-Hexanone	9.79	43	417223	97.351	ug/l	98
60) Dibromochloromethane	9.96	129	159051	20.376	ug/l	98
61) 1,2-Dibromoethane	10.10	107	131292	20.625	ug/l	98
64) Tetrachloroethene	9.52	164	184606	23.236	ug/l	97
65) Chlorobenzene	10.73	112	404959	22.509	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	151567	21.928	ug/l	97
67) Ethyl Benzene	10.86	91	720124	22.156	ug/l	100
68) m/p-Xylenes	11.02	106	502389	47.414	ug/l	91
69) o-Xylene	11.41	106	233522	22.203	ug/l	97
70) Styrene	11.43	104	381963	21.938	ug/l	99
71) Bromoform	11.61	173	111189	21.383	ug/l	97
73) Isopropylbenzene	11.78	105	635302	20.099	ug/l	99
74) N-amyl acetate	11.65	43	231453	18.976	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.08	83	138111	20.041	ug/l	94
76) 1,2,3-Trichloropropane	12.11	75	146944	20.498	ug/l	96
77) Bromobenzene	12.04	156	199377	21.309	ug/l	96
78) n-propylbenzene	12.16	91	914206	22.227	ug/l	100
79) 2-Chlorotoluene	12.22	91	481582	20.524	ug/l	95
80) 1,3,5-Trimethylbenzene	12.33	105	544904	22.105	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.85	75	36768	20.708	ug/l	97
82) 4-Chlorotoluene	12.33	91	577891	23.647	ug/l	98
83) tert-Butylbenzene	12.58	119	597812	21.477	ug/l	99
84) 1,2,4-Trimethylbenzene	12.63	105	560289	21.139	ug/l	97
85) sec-Butylbenzene	12.76	105	707646	21.066	ug/l	98
86) p-Isopropyltoluene	12.89	119	570091	21.056	ug/l	98
87) 1,3-Dichlorobenzene	12.85	146	323288	20.426	ug/l	97
88) 1,4-Dichlorobenzene	12.93	146	329201	21.348	ug/l	96
89) n-Butylbenzene	13.20	91	624233	23.243	ug/l	96
90) Hexachloroethane	13.40	117	144057	20.847	ug/l	64
91) 1,2-Dichlorobenzene	13.19	146	278625	21.784	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.77	75	20754	19.513	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.35	180	258641	21.644	ug/l	98
94) Hexachlorobutadiene	14.44	225	198490	21.118	ug/l	97
95) Naphthalene	14.52	128	326367	21.183	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	221429	21.743	ug/l	100

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

