

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092818\
 Data File : VD060094.D
 Acq On : 28 Sep 2018 13:38
 Operator : VA/AP
 Sample : VD0928SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0928SBS01

Manual Integrations
 APPROVED

apatel
 10/1/2018 3:58:56 PM

Quant Time: Sep 28 23:30:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1528028	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2089475	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1673622	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	906094	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	646334	54.24	ug/l	0.02
Spiked Amount	50.000		Recovery	=	108.48%	
35) Dibromofluoromethane	6.32	113	877250	53.74	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.48%	
50) Toluene-d8	9.46	98	2475766	54.72	ug/l	0.02
Spiked Amount	50.000		Recovery	=	109.44%	
62) 4-Bromofluorobenzene	12.43	95	943455	54.59	ug/l	0.02
Spiked Amount	50.000		Recovery	=	109.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	290248	17.995	ug/l	98
3) Chloromethane	1.74	50	318261	22.338	ug/l	99
4) Vinyl Chloride	1.84	62	246669	21.536	ug/l	99
5) Bromomethane	2.13	94	24745	18.252	ug/l	97
6) Chloroethane	2.23	64	61155	23.883	ug/l	95
7) Trichlorofluoromethane	2.49	101	296790	23.536	ug/l	99
8) Diethyl Ether	2.82	74	62663	23.377	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	192747	24.240	ug/l	98
10) Methyl Iodide	3.23	142	173176	20.563	ug/l	93
11) Tert butyl alcohol	3.97	59	80399	83.617	ug/l	98
12) 1,1-Dichloroethene	3.06	96	152435	24.245	ug/l	88
13) Acrolein	2.97	56	43545	73.132	ug/l	88
14) Allyl chloride	3.52	41	308994	23.304	ug/l	97
15) Acrylonitrile	4.07	53	384958	106.066	ug/l	99
16) Acetone	3.15	43	301621	131.103	ug/l	99
17) Carbon Disulfide	3.30	76	468786	21.640	ug/l	100
18) Methyl Acetate	3.54	43	100844	21.553	ug/l	100
19) Methyl tert-butyl Ether	4.11	73	614235	21.144	ug/l	98
20) Methylene Chloride	3.70	84	412205	21.000	ug/l	98
21) trans-1,2-Dichloroethene	4.08	96	353394	21.419	ug/l	95
22) Diisopropyl ether	4.84	45	1314504	21.734	ug/l	96
23) Vinyl Acetate	4.79	43	3748235	109.392	ug/l	100
24) 1,1-Dichloroethane	4.74	63	594351	21.898	ug/l	100
25) 2-Butanone	5.61	43	742095	119.534	ug/l	97
26) 2,2-Dichloropropane	5.58	77	464056	21.992	ug/l	98
27) cis-1,2-Dichloroethene	5.59	96	375826	21.777	ug/l	100
28) Bromochloromethane	5.92	49	271293	20.794	ug/l	93
29) Tetrahydrofuran	5.94	42	325162	97.664	ug/l	100
30) Chloroform	6.09	83	608360	22.102	ug/l	97
31) Cyclohexane	6.36	56	542278	20.491	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	498551	21.839	ug/l	98
36) 1,1-Dichloropropene	6.52	75	454332	21.890	ug/l	96
37) Ethyl Acetate	5.69	43	297867	20.869	ug/l	99
38) Carbon Tetrachloride	6.50	117	415624	21.451	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	519951	22.145	ug/l	99
40) Benzene	6.79	78	1173859	22.190	ug/l	100
41) Methacrylonitrile	5.92	41	151679m	20.290	ug/l	
42) 1,2-Dichloroethane	6.89	62	331552	20.873	ug/l	100
43) Isopropyl Acetate	8.35	43	382466	20.013	ug/l	99
44) Trichloroethene	7.74	130	365772	22.379	ug/l	100
45) 1,2-Dichloropropane	8.10	63	315060	22.273	ug/l	99
46) Dibromomethane	8.22	93	195695	21.203	ug/l	92
47) Bromodichloromethane	8.48	83	434173	21.819	ug/l	97
48) Methyl methacrylate	8.25	41	225059	21.145	ug/l	98
49) 1,4-Dioxane	8.23	88	41558	393.118	ug/l	97
51) 4-Methyl-2-Pentanone	9.34	43	1558181	112.022	ug/l	100
52) Toluene	9.55	92	770831	22.732	ug/l	98
53) t-1,3-Dichloropropene	9.92	75	385728	20.784	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	487050	21.964	ug/l	98
55) 1,1,2-Trichloroethane	10.19	97	250640	21.289	ug/l	97
56) Ethyl methacrylate	10.03	69	269872	20.666	ug/l	99
57) 1,3-Dichloropropane	10.38	76	384811	22.143	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	691487	109.657	ug/l	97
59) 2-Hexanone	10.49	43	1128853	112.838	ug/l	98
60) Dibromochloromethane	10.64	129	300976	21.004	ug/l	98
61) 1,2-Dibromoethane	10.76	107	255015	20.979	ug/l	99
64) Tetrachloroethene	10.26	164	328773	22.265	ug/l	98
65) Chlorobenzene	11.32	112	830526	23.082	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.42	131	285555	23.529	ug/l	99
67) Ethyl Benzene	11.43	91	1400853	24.192	ug/l	98
68) m/p-Xylenes	11.56	106	1063632	49.736	ug/l	95
69) o-Xylene	11.94	106	497982	23.501	ug/l	95
70) Styrene	11.96	104	831460	23.336	ug/l	98
71) Bromoform	12.11	173	214535	20.575	ug/l	97
73) Isopropylbenzene	12.27	105	1390179	23.394	ug/l	99
74) N-amyl acetate	12.13	43	493382	20.960	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	286261	21.234	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	281397	20.334	ug/l	99
77) Bromobenzene	12.54	156	385531	22.522	ug/l	92
78) n-propylbenzene	12.64	91	1730873	23.162	ug/l	97
79) 2-Chlorotoluene	12.71	91	940204	22.291	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	1112130	24.417	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	83213	19.920	ug/l	98
82) 4-Chlorotoluene	12.81	91	1110739	23.953	ug/l	92
83) tert-Butylbenzene	13.05	119	1250914	23.706	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	1138713	23.427	ug/l	99
85) sec-Butylbenzene	13.22	105	1496608	23.893	ug/l	99
86) p-Isopropyltoluene	13.35	119	1179654	23.285	ug/l	99
87) 1,3-Dichlorobenzene	13.32	146	683321	22.955	ug/l	95
88) 1,4-Dichlorobenzene	13.39	146	680558	22.540	ug/l	98
89) n-Butylbenzene	13.65	91	1231032	22.843	ug/l	99
90) Hexachloroethane	13.86	117	275946	21.991	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	595884	21.827	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.23	75	37934	18.458	ug/l #	42

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	465222	21.931	ug/l	100
94) Hexachlorobutadiene	14.88	225	316558	22.559	ug/l	99
95) Naphthalene	14.97	128	700044	21.368	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	408708	21.863	ug/l	99

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

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