

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092418\
 Data File : VD060079.D
 Acq On : 24 Sep 2018 13:51
 Operator : VA/AP
 Sample : VD0924SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0924SBS01

Manual Integrations
 APPROVED

apatel
 9/25/2018 3:31:04 PM

Quant Time: Sep 24 15:34:16 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	6.37	168	1571948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.41	114	2199965	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.26	117	1752807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	946425	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.75	65	648413	52.90	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.80%	
35) Dibromofluoromethane	6.29	113	892774	51.94	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.88%	
50) Toluene-d8	9.42	98	2470945	51.88	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.41	95	966147	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	295945	17.835	ug/l	99
3) Chloromethane	1.74	50	325283	22.193	ug/l	97
4) Vinyl Chloride	1.83	62	254315	21.584	ug/l	99
5) Bromomethane	2.11	94	20949	15.020	ug/l	84
6) Chloroethane	2.22	64	54347	20.631	ug/l	95
7) Trichlorofluoromethane	2.48	101	266107	20.513	ug/l	98
8) Diethyl Ether	2.79	74	61440	22.280	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.05	101	189148	23.123	ug/l	97
10) Methyl Iodide	3.21	142	174679	20.162	ug/l	95
11) Tert butyl alcohol	3.94	59	95012	96.054	ug/l	99
12) 1,1-Dichloroethene	3.04	96	152066	23.511	ug/l	97
13) Acrolein	2.95	56	49418	80.677	ug/l	95
14) Allyl chloride	3.50	41	316553	23.207	ug/l	98
15) Acrylonitrile	4.05	53	413995	110.879	ug/l	98
16) Acetone	3.13	43	298753	126.229	ug/l	99
17) Carbon Disulfide	3.27	76	472510	21.203	ug/l	99
18) Methyl Acetate	3.52	43	116569	24.218	ug/l	98
19) Methyl tert-butyl Ether	4.09	73	661590	22.138	ug/l	99
20) Methylene Chloride	3.68	84	412662	20.210	ug/l	98
21) trans-1,2-Dichloroethene	4.06	96	370828	21.848	ug/l	99
22) Diisopropyl ether	4.82	45	1348809	21.678	ug/l	98
23) Vinyl Acetate	4.77	43	3898829	110.607	ug/l	98
24) 1,1-Dichloroethane	4.72	63	596306	21.356	ug/l	100
25) 2-Butanone	5.59	43	815499	127.688	ug/l	100
26) 2,2-Dichloropropane	5.55	77	477965	22.018	ug/l	100
27) cis-1,2-Dichloroethene	5.56	96	397825	22.407	ug/l	100
28) Bromochloromethane	5.89	49	283687	21.137	ug/l	98
29) Tetrahydrofuran	5.92	42	361223	105.464	ug/l	100
30) Chloroform	6.07	83	623718	22.027	ug/l	98
31) Cyclohexane	6.33	56	564414	20.732	ug/l	99
32) 1,1,1-Trichloroethane	6.26	97	510607	21.742	ug/l	99
36) 1,1-Dichloropropene	6.49	75	463692	21.218	ug/l	97
37) Ethyl Acetate	5.67	43	317812	21.148	ug/l	99
38) Carbon Tetrachloride	6.46	117	420935	20.634	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	528676	21.386	ug/l	99
40) Benzene	6.76	78	1190939	21.382	ug/l	100
41) Methacrylonitrile	5.90	41	172456m	21.910	ug/l	
42) 1,2-Dichloroethane	6.87	62	346697	20.730	ug/l	100
43) Isopropyl Acetate	8.32	43	405890	20.172	ug/l	96
44) Trichloroethene	7.71	130	363707	21.135	ug/l	99
45) 1,2-Dichloropropane	8.08	63	316824	21.272	ug/l	96
46) Dibromomethane	8.18	93	207209	21.323	ug/l	97
47) Bromodichloromethane	8.46	83	441354	21.066	ug/l	100
48) Methyl methacrylate	8.21	41	235734	21.036	ug/l	98
49) 1,4-Dioxane	8.20	88	46926	421.602	ug/l	97
51) 4-Methyl-2-Pentanone	9.32	43	1671795	114.446	ug/l	98
52) Toluene	9.52	92	786156	22.020	ug/l	100
53) t-1,3-Dichloropropene	9.90	75	413566	21.164	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	491730	21.062	ug/l	100
55) 1,1,2-Trichloroethane	10.15	97	255300	20.596	ug/l	97
56) Ethyl methacrylate	10.01	69	285252	20.747	ug/l	99
57) 1,3-Dichloropropane	10.36	76	385632	21.076	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.89	63	689360	103.830	ug/l	97
59) 2-Hexanone	10.47	43	1244215	118.979	ug/l	100
60) Dibromochloromethane	10.62	129	317335	21.033	ug/l	99
61) 1,2-Dibromoethane	10.73	107	275929	21.560	ug/l	95
64) Tetrachloroethene	10.23	164	341116	22.057	ug/l	98
65) Chlorobenzene	11.29	112	864131	22.931	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.40	131	293771	23.113	ug/l	98
67) Ethyl Benzene	11.41	91	1450404	23.916	ug/l	98
68) m/p-Xylenes	11.55	106	1084723	48.430	ug/l	99
69) o-Xylene	11.91	106	512868	23.110	ug/l	96
70) Styrene	11.94	104	883508	23.677	ug/l	100
71) Bromoform	12.10	173	224718	20.578	ug/l	100
73) Isopropylbenzene	12.26	105	1418050	22.846	ug/l	99
74) N-amyl acetate	12.12	43	539394	21.938	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.54	83	318772	22.638	ug/l	98
76) 1,2,3-Trichloropropane	12.58	75	301244	20.841	ug/l	100
77) Bromobenzene	12.52	156	401921	22.479	ug/l	97
78) n-propylbenzene	12.62	91	1796245	23.012	ug/l	98
79) 2-Chlorotoluene	12.69	91	998204	22.658	ug/l	100
80) 1,3,5-Trimethylbenzene	12.78	105	1149945	24.171	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.33	75	87115	19.965	ug/l	94
82) 4-Chlorotoluene	12.79	91	1132162	23.374	ug/l	98
83) tert-Butylbenzene	13.04	119	1259357	22.849	ug/l	99
84) 1,2,4-Trimethylbenzene	13.08	105	1151839	22.688	ug/l	98
85) sec-Butylbenzene	13.20	105	1515064	23.157	ug/l	99
86) p-Isopropyltoluene	13.33	119	1239982	23.433	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	705718	22.697	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	710128	22.517	ug/l	98
89) n-Butylbenzene	13.64	91	1203974	21.146	ug/l	98
90) Hexachloroethane	13.84	117	275279	21.003	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	608683	21.273	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	40006	18.637	ug/l	62

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	494453	22.316	ug/l	100
94) Hexachlorobutadiene	14.87	225	322412	21.997	ug/l	99
95) Naphthalene	14.96	128	733505	21.436	ug/l	100
96) 1,2,3-Trichlorobenzene	15.10	180	418291	21.422	ug/l	100

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

