

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100118\
 Data File : VD060103.D
 Acq On : 1 Oct 2018 18:18
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 10/2/2018 12:31:20 PM

Quant Time: Oct 02 05:50:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:08:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	1505374	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.42	114	2072505	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1662760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	896264	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	843708	71.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.98%	
35) Dibromofluoromethane	6.29	113	1179153	72.68	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	145.36%	
50) Toluene-d8	9.43	98	3361255	74.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.16%	
62) 4-Bromofluorobenzene	12.42	95	1232467	71.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.66%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.55	85	1055179m	67.798	ug/l
3) Chloromethane	1.73	50	912790	65.534	ug/l
4) Vinyl Chloride	1.82	62	762650	68.211	ug/l
5) Bromomethane	2.10	94	72482	55.863	ug/l
6) Chloroethane	2.21	64	214032	86.096	ug/l
7) Trichlorofluoromethane	2.47	101	899488	73.123	ug/l
8) Diethyl Ether	2.79	74	185505	70.855	ug/l
9) 1,1,2-Trichlorotrifluoroet	3.05	101	553011	71.585	ug/l
10) Methyl Iodide	3.21	142	677302	82.163	ug/l
11) Tert butyl alcohol	3.93	59	305991	328.625	ug/l
12) 1,1-Dichloroethene	3.03	96	434324	70.999	ug/l
13) Acrolein	2.95	56	162680	282.801	ug/l
14) Allyl chloride	3.49	41	920374	71.521	ug/l
15) Acrylonitrile	4.04	53	1206685	341.916	ug/l
16) Acetone	3.13	43	678842	305.129	ug/l
17) Carbon Disulfide	3.27	76	1510262	71.813	ug/l
18) Methyl Acetate	3.51	43	327152	71.407	ug/l
19) Methyl tert-butyl Ether	4.08	73	1958687	69.379	ug/l
20) Methylene Chloride	3.68	84	1151212	60.678	ug/l
21) trans-1,2-Dichloroethene	4.05	96	1148960	71.474	ug/l
22) Diisopropyl ether	4.82	45	4102104	70.207	ug/l
23) Vinyl Acetate	4.77	43	11500708	346.839	ug/l
24) 1,1-Dichloroethane	4.71	63	1890634	71.671	ug/l
25) 2-Butanone	5.59	43	1806297	300.941	ug/l
26) 2,2-Dichloropropane	5.55	77	1392329	68.199	ug/l
27) cis-1,2-Dichloroethene	5.56	96	1212693	72.175	ug/l
28) Bromochloromethane	5.89	49	879876	68.627	ug/l
29) Tetrahydrofuran	5.92	42	1087281	337.781	ug/l
30) Chloroform	6.07	83	1886718	70.823	ug/l
31) Cyclohexane	6.33	56	1659730	64.993	ug/l
32) 1,1,1-Trichloroethane	6.26	97	1570276	71.309	ug/l
36) 1,1-Dichloropropene	6.49	75	1410410	69.556	ug/l
37) Ethyl Acetate	5.67	43	959036	68.496	ug/l
38) Carbon Tetrachloride	6.46	117	1324873	70.359	ug/l

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	1595815	69.364	ug/l	98
40) Benzene	6.76	78	3723476	71.954	ug/l	100
41) Methacrylonitrile	5.90	41	532564m	71.488	ug/l	
42) 1,2-Dichloroethane	6.87	62	1073576	69.172	ug/l	99
43) Isopropyl Acetate	8.32	43	1309652	70.591	ug/l #	99
44) Trichloroethene	7.71	130	1173656	73.021	ug/l	95
45) 1,2-Dichloropropane	8.08	63	986084	71.189	ug/l	99
46) Dibromomethane	8.18	93	648313	72.007	ug/l	96
47) Bromodichloromethane	8.46	83	1403228	72.096	ug/l	100
48) Methyl methacrylate	8.22	41	725700	70.164	ug/l	97
49) 1,4-Dioxane	8.20	88	146910	1427.324	ug/l	95
51) 4-Methyl-2-Pentanone	9.32	43	3881560	304.975	ug/l	99
52) Toluene	9.52	92	2370305	70.969	ug/l	99
53) t-1,3-Dichloropropene	9.90	75	1230952	67.723	ug/l	100
54) cis-1,3-Dichloropropene	9.08	75	1544922	71.235	ug/l	99
55) 1,1,2-Trichloroethane	10.16	97	793452	68.497	ug/l	99
56) Ethyl methacrylate	10.02	69	890999	69.779	ug/l	99
57) 1,3-Dichloropropane	10.37	76	1216014	71.280	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.90	63	2282824	362.551	ug/l	99
59) 2-Hexanone	10.47	43	2860368	311.442	ug/l	98
60) Dibromochloromethane	10.63	129	1031739	73.823	ug/l	97
61) 1,2-Dibromoethane	10.74	107	876082	73.272	ug/l	100
64) Tetrachloroethene	10.23	164	1073311	74.112	ug/l	99
65) Chlorobenzene	11.29	112	2610284	73.827	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.40	131	852404	71.659	ug/l	99
67) Ethyl Benzene	11.41	91	3901746	68.728	ug/l	98
68) m/p-Xylenes	11.55	106	3053375	146.030	ug/l	99
69) o-Xylene	11.92	106	1570610	75.321	ug/l	100
70) Styrene	11.94	104	2610250	74.549	ug/l	100
71) Bromoform	12.10	173	768961	75.527	ug/l	100
73) Isopropylbenzene	12.27	105	4168179	71.570	ug/l	100
74) N-amyl acetate	12.12	43	1576545	68.779	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.55	83	919098	69.625	ug/l	99
76) 1,2,3-Trichloropropane	12.58	75	949711	70.503	ug/l	99
77) Bromobenzene	12.53	156	1209101	71.654	ug/l	83
78) n-propylbenzene	12.63	91	4929847	67.522	ug/l	93
79) 2-Chlorotoluene	12.69	91	2831325	68.829	ug/l	99
80) 1,3,5-Trimethylbenzene	12.78	105	3131457	70.186	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.33	75	281259	69.291	ug/l	99
82) 4-Chlorotoluene	12.80	91	3115494	68.881	ug/l	100
83) tert-Butylbenzene	13.04	119	3691459	71.265	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	3296855	69.031	ug/l	99
85) sec-Butylbenzene	13.21	105	4231018	69.219	ug/l	99
86) p-Isopropyltoluene	13.33	119	3500963	70.768	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	2098500	71.653	ug/l	99
88) 1,4-Dichlorobenzene	13.38	146	2108103	71.021	ug/l	99
89) n-Butylbenzene	13.64	91	3319534	68.883	ug/l	99
90) Hexachloroethane	13.85	117	909397	74.337	ug/l	59
91) 1,2-Dichlorobenzene	13.66	146	1710613	70.770	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	130841	64.888	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1529398	73.274	ug/l	99
94) Hexachlorobutadiene	14.87	225	1022348	73.929	ug/l	100
95) Naphthalene	14.96	128	2331237	72.428	ug/l	100
96) 1,2,3-Trichlorobenzene	15.10	180	1354246	74.082	ug/l	98

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

