

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100118\
 Data File : VD060106.D
 Acq On : 1 Oct 2018 20:11
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD100118

Manual Integrations
 APPROVED

apatel

10/2/2018 12:31:31 PM

Quant Time: Oct 02 07:14:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1627884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2215447	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1793373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	936366	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	632572	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
35) Dibromofluoromethane	6.30	113	897191	53.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.66%	
50) Toluene-d8	9.44	98	2487496	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
62) 4-Bromofluorobenzene	12.41	95	927932	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	765073m	49.962	ug/l	
3) Chloromethane	1.73	50	725039	52.508	ug/l	98
4) Vinyl Chloride	1.83	62	580745	51.393	ug/l	99
5) Bromomethane	2.12	94	101899	71.816	ug/l	99
6) Chloroethane	2.23	64	182924	59.320	ug/l	95
7) Trichlorofluoromethane	2.48	101	688543	50.888	ug/l	100
8) Diethyl Ether	2.80	74	146233	52.559	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.06	101	439636	52.156	ug/l	99
10) Methyl Iodide	3.22	142	457560	51.187	ug/l	99
11) Tert butyl alcohol	3.94	59	226993	256.496	ug/l	97
12) 1,1-Dichloroethene	3.04	96	351282	52.899	ug/l	94
13) Acrolein	2.95	56	122680	224.877	ug/l	99
14) Allyl chloride	3.51	41	715314	51.865	ug/l	97
15) Acrylonitrile	4.06	53	908127	247.917	ug/l	99
16) Acetone	3.13	43	521532	232.924	ug/l	100
17) Carbon Disulfide	3.29	76	1167816	52.296	ug/l	99
18) Methyl Acetate	3.53	43	247706	51.471	ug/l	98
19) Methyl tert-butyl Ether	4.10	73	1465976	50.210	ug/l	98
20) Methylene Chloride	3.69	84	870051	49.307	ug/l	95
21) trans-1,2-Dichloroethene	4.07	96	847905	49.439	ug/l	99
22) Diisopropyl ether	4.82	45	3134320	50.887	ug/l	97
23) Vinyl Acetate	4.78	43	8679526	250.694	ug/l	100
24) 1,1-Dichloroethane	4.73	63	1416304	50.714	ug/l	100
25) 2-Butanone	5.59	43	1438866	257.228	ug/l	98
26) 2,2-Dichloropropane	5.56	77	1054538	49.810	ug/l	99
27) cis-1,2-Dichloroethene	5.56	96	943151	51.905	ug/l	94
28) Bromochloromethane	5.90	49	682390	50.283	ug/l	90
29) Tetrahydrofuran	5.93	42	827637	254.726	ug/l	99
30) Chloroform	6.07	83	1451872	51.394	ug/l	98
31) Cyclohexane	6.34	56	1310014	49.003	ug/l	98
32) 1,1,1-Trichloroethane	6.26	97	1178639	50.926	ug/l	98
36) 1,1-Dichloropropene	6.50	75	1058033	49.977	ug/l	100
37) Ethyl Acetate	5.67	43	691866	49.235	ug/l	98
38) Carbon Tetrachloride	6.47	117	982260	51.120	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	1249910	51.962	ug/l	98
40) Benzene	6.77	78	2831146	51.117	ug/l	100
41) Methacrylonitrile	5.91	41	392137m	49.371	ug/l	
42) 1,2-Dichloroethane	6.87	62	813539	51.234	ug/l	100
43) Isopropyl Acetate	8.33	43	940375	50.867	ug/l	98
44) Trichloroethene	7.72	130	892419	52.052	ug/l	97
45) 1,2-Dichloropropane	8.08	63	766145	52.829	ug/l	100
46) Dibromomethane	8.19	93	488597	52.039	ug/l	94
47) Bromodichloromethane	8.48	83	1034273	51.700	ug/l	99
48) Methyl methacrylate	8.23	41	532418	50.559	ug/l	97
49) 1,4-Dioxane	8.21	88	104869	1012.126	ug/l	96
51) 4-Methyl-2-Pentanone	9.32	43	2954651	253.391	ug/l	99
52) Toluene	9.53	92	1803031	50.547	ug/l	100
53) t-1,3-Dichloropropene	9.90	75	955596	52.791	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	1144697	51.210	ug/l	99
55) 1,1,2-Trichloroethane	10.17	97	581869	49.898	ug/l	98
56) Ethyl methacrylate	10.01	69	693487	53.875	ug/l	96
57) 1,3-Dichloropropane	10.36	76	902118	50.725	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	1712104	239.521	ug/l	100
59) 2-Hexanone	10.47	43	2117113	252.495	ug/l	99
60) Dibromochloromethane	10.62	129	764675	53.446	ug/l	99
61) 1,2-Dibromoethane	10.75	107	649068	52.386	ug/l	100
64) Tetrachloroethene	10.24	164	816519	51.983	ug/l	99
65) Chlorobenzene	11.30	112	1989176	51.271	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	681300	52.639	ug/l	99
67) Ethyl Benzene	11.42	91	3209009	51.051	ug/l	99
68) m/p-Xylenes	11.56	106	2327899	99.117	ug/l	98
69) o-Xylene	11.92	106	1153795	49.666	ug/l	95
70) Styrene	11.95	104	1961795	50.497	ug/l	99
71) Bromoform	12.11	173	559650	53.399	ug/l	99
73) Isopropylbenzene	12.26	105	3194950	51.720	ug/l	99
74) N-amyl acetate	12.13	43	1231034	54.405	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	704854	52.265	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	694533	51.505	ug/l	100
77) Bromobenzene	12.53	156	941444	52.445	ug/l	93
78) n-propylbenzene	12.63	91	3860970	50.336	ug/l	98
79) 2-Chlorotoluene	12.70	91	2237337	52.554	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	2478149	51.833	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.33	75	204502	53.972	ug/l	95
82) 4-Chlorotoluene	12.81	91	2437577	50.623	ug/l	95
83) tert-Butylbenzene	13.04	119	2832596	51.629	ug/l	95
84) 1,2,4-Trimethylbenzene	13.08	105	2590140	51.403	ug/l	96
85) sec-Butylbenzene	13.21	105	3316287	51.122	ug/l	97
86) p-Isopropyltoluene	13.34	119	2783399	52.313	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	1611504	51.526	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	1570947	50.007	ug/l	97
89) n-Butylbenzene	13.64	91	2611725	50.306	ug/l	98
90) Hexachloroethane	13.85	117	678052	55.064	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	1342063	51.034	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	97422	54.103	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1164661	52.178	ug/l	97
94) Hexachlorobutadiene	14.87	225	767819	51.751	ug/l	99
95) Naphthalene	14.96	128	1708460	51.637	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	1026156	52.848	ug/l	96

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

