

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100118\
 Data File : VD060100.D
 Acq On : 1 Oct 2018 16:53
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 10/2/2018 11:37:17 AM

Quant Time: Oct 02 05:49:23 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	6.38	168	1615717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2197012	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1788319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	959193	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.75	65	115456	9.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	18.36%	
35) Dibromofluoromethane	6.29	113	163877	9.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	19.06%	
50) Toluene-d8	9.43	98	472834	9.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	19.66%	
62) 4-Bromofluorobenzene	12.41	95	179910	9.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	19.78%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.57	85	140331m	8.401	ug/l
3) Chloromethane	1.74	50	134250	8.980	ug/l
4) Vinyl Chloride	1.83	62	107164	8.930	ug/l
5) Bromomethane	2.12	94	16867	12.112	ug/l
6) Chloroethane	2.23	64	35065	13.142	ug/l
7) Trichlorofluoromethane	2.48	101	139778	10.587	ug/l
8) Diethyl Ether	2.80	74	26468	9.419	ug/l
9) 1,1,2-Trichlorotrifluoroet	3.06	101	84266	10.163	ug/l
10) Methyl Iodide	3.22	142	77636	8.775	ug/l
11) Tert butyl alcohol	3.94	59	39130	39.154	ug/l
12) 1,1-Dichloroethene	3.04	96	66862	10.183	ug/l
13) Acrolein	2.96	56	29898	48.425	ug/l
14) Allyl chloride	3.51	41	142889	10.345	ug/l
15) Acrylonitrile	4.05	53	182361	48.143	ug/l
16) Acetone	3.13	43	122093	51.131	ug/l
17) Carbon Disulfide	3.28	76	217321	9.628	ug/l
18) Methyl Acetate	3.53	43	47096	9.577	ug/l
19) Methyl tert-butyl Ether	4.09	73	284735	9.397	ug/l
20) Methylene Chloride	3.68	84	230006	11.295	ug/l
21) trans-1,2-Dichloroethene	4.07	96	169802	9.842	ug/l
22) Diisopropyl ether	4.83	45	606512	9.671	ug/l
23) Vinyl Acetate	4.78	43	1758144	49.401	ug/l
24) 1,1-Dichloroethane	4.73	63	272559	9.627	ug/l
25) 2-Butanone	5.59	43	288732	44.819	ug/l
26) 2,2-Dichloropropane	5.55	77	220190	10.049	ug/l
27) cis-1,2-Dichloroethene	5.56	96	184852	10.250	ug/l
28) Bromochloromethane	5.90	49	136833	9.944	ug/l
29) Tetrahydrofuran	5.93	42	158447	45.862	ug/l
30) Chloroform	6.08	83	284980	9.967	ug/l
31) Cyclohexane	6.34	56	284084	10.365	ug/l
32) 1,1,1-Trichloroethane	6.26	97	232219	9.825	ug/l
36) 1,1-Dichloropropene	6.50	75	223207	10.384	ug/l
37) Ethyl Acetate	5.67	43	139667	9.410	ug/l
38) Carbon Tetrachloride	6.47	117	198987	9.969	ug/l

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	251212	10.300	ug/l	97
40) Benzene	6.76	78	572084	10.429	ug/l	100
41) Methacrylonitrile	5.91	41	78327m	9.918	ug/l	
42) 1,2-Dichloroethane	6.87	62	163407	9.932	ug/l	99
43) Isopropyl Acetate	8.33	43	182709	9.290	ug/l #	99
44) Trichloroethene	7.72	130	174352	10.233	ug/l	93
45) 1,2-Dichloropropane	8.08	63	147994	10.079	ug/l	99
46) Dibromomethane	8.19	93	92468	9.688	ug/l	93
47) Bromodichloromethane	8.47	83	198422	9.617	ug/l	97
48) Methyl methacrylate	8.22	41	106489	9.712	ug/l	97
49) 1,4-Dioxane	8.21	88	19032	174.429	ug/l #	92
51) 4-Methyl-2-Pentanone	9.32	43	591744	43.859	ug/l	95
52) Toluene	9.53	92	366450	10.350	ug/l	100
53) t-1,3-Dichloropropene	9.90	75	177498	9.212	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	221807	9.648	ug/l	99
55) 1,1,2-Trichloroethane	10.16	97	121587	9.902	ug/l	98
56) Ethyl methacrylate	10.01	69	124336	9.186	ug/l	93
57) 1,3-Dichloropropane	10.37	76	177545	9.818	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.90	63	394888	59.161	ug/l	95
59) 2-Hexanone	10.47	43	438202	45.008	ug/l	100
60) Dibromochloromethane	10.62	129	135585	9.152	ug/l	94
61) 1,2-Dibromoethane	10.74	107	120711	9.524	ug/l	99
64) Tetrachloroethene	10.24	164	162484	10.432	ug/l	98
65) Chlorobenzene	11.30	112	406217	10.682	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	133940	10.469	ug/l	99
67) Ethyl Benzene	11.42	91	682513	11.178	ug/l	100
68) m/p-Xylenes	11.56	106	519383	23.096	ug/l	97
69) o-Xylene	11.92	106	243857	10.873	ug/l	88
70) Styrene	11.94	104	408126	10.838	ug/l	95
71) Bromoform	12.11	173	97736	8.926	ug/l	99
73) Isopropylbenzene	12.26	105	659396	10.579	ug/l	99
74) N-amyl acetate	12.13	43	226270	9.224	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	136426	9.657	ug/l	96
76) 1,2,3-Trichloropropane	12.59	75	136472	9.466	ug/l	100
77) Bromobenzene	12.53	156	187035	10.357	ug/l	88
78) n-propylbenzene	12.63	91	842567	10.783	ug/l	98
79) 2-Chlorotoluene	12.70	91	453428	10.300	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	500032	10.472	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.33	75	34639	7.974	ug/l	98
82) 4-Chlorotoluene	12.80	91	517757	10.696	ug/l	94
83) tert-Butylbenzene	13.03	119	582378	10.505	ug/l	96
84) 1,2,4-Trimethylbenzene	13.08	105	539574	10.557	ug/l	94
85) sec-Butylbenzene	13.21	105	698718	10.681	ug/l	97
86) p-Isopropyltoluene	13.33	119	590126	11.146	ug/l	96
87) 1,3-Dichlorobenzene	13.30	146	337297	10.761	ug/l	99
88) 1,4-Dichlorobenzene	13.38	146	339871	10.699	ug/l	98
89) n-Butylbenzene	13.63	91	590985	11.459	ug/l	97
90) Hexachloroethane	13.85	117	120534	9.206	ug/l	82
91) 1,2-Dichlorobenzene	13.65	146	296133	11.448	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	16813	7.791	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.77	180	233696	10.462	ug/l	97
94) Hexachlorobutadiene	14.87	225	157549	10.645	ug/l	98
95) Naphthalene	14.96	128	336009	9.754	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	199727	10.209	ug/l	97

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

