

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060220\
 Data File : VW015525.D
 Acq On : 02 Jun 2020 13:23
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 6/2/2020 4:00:21 PM

Quant Time: Jun 02 13:52:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060220S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 02 12:43:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	228995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	365706	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	340304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	165855	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	348381	138.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	277.50%	
35) Dibromofluoromethane	7.88	113	319133	151.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.98%	
50) Toluene-d8	10.32	98	1281559	148.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.32%	
62) 4-Bromofluorobenzene	12.62	95	476078	149.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	298.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	208716	157.254	ug/l	96
3) Chloromethane	2.22	50	236832	143.554	ug/l	99
4) Vinyl Chloride	2.37	62	352194	140.378	ug/l	99
5) Bromomethane	2.78	94	253868	129.475	ug/l	98
6) Chloroethane	2.93	64	233301	135.049	ug/l	98
7) Trichlorofluoromethane	3.26	101	282986	152.707	ug/l	99
8) Diethyl Ether	3.68	74	161285	138.139	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	319015	147.619	ug/l	99
10) Methyl Iodide	4.28	142	488140	149.391	ug/l	98
11) Tert butyl alcohol	5.18	59	108334	707.446	ug/l	99
12) 1,1-Dichloroethene	4.04	96	321877	144.381	ug/l	95
13) Acrolein	3.89	56	100277	557.908	ug/l	99
14) Allyl chloride	4.67	41	548591	140.587	ug/l	99
15) Acrylonitrile	5.37	53	337906	705.005	ug/l	99
16) Acetone	4.12	43	401980	919.828	ug/l	98
17) Carbon Disulfide	4.38	76	962149	141.403	ug/l	99
18) Methyl Acetate	4.67	43	147207	137.687	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	491261	135.830	ug/l	98
20) Methylene Chloride	4.92	84	336006	129.783	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	366114	144.291	ug/l	99
22) Diisopropyl ether	6.32	45	1052325	138.074	ug/l	97
23) Vinyl Acetate	6.26	43	3208707	689.103	ug/l	100
24) 1,1-Dichloroethane	6.22	63	651490	142.314	ug/l	99
25) 2-Butanone	7.17	43	477421	744.686	ug/l	99
26) 2,2-Dichloropropane	7.17	77	413228	135.699	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	399104	144.431	ug/l	99
28) Bromochloromethane	7.51	49	248887	136.915	ug/l #	99
29) Tetrahydrofuran	7.53	42	282204	688.791	ug/l	99
30) Chloroform	7.68	83	652862	143.207	ug/l	99
31) Cyclohexane	7.96	56	579248	126.040	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	558567	145.912	ug/l	99
36) 1,1-Dichloropropene	8.09	75	521989	143.821	ug/l	99
37) Ethyl Acetate	7.26	43	200580	140.339	ug/l	99
38) Carbon Tetrachloride	8.07	117	518059	150.882	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	657908	143.144	ug/l	99
40) Benzene	8.32	78	1426569	143.523	ug/l	100
41) Methacrylonitrile	7.48	41	129428	141.988	ug/l	99
42) 1,2-Dichloroethane	8.40	62	436630	143.392	ug/l	100
43) Isopropyl Acetate	8.43	43	415705	138.194	ug/l	98
44) Trichloroethene	9.09	130	387428	150.164	ug/l	98
45) 1,2-Dichloropropane	9.37	63	354090	144.130	ug/l	98
46) Dibromomethane	9.46	93	181407	146.664	ug/l	98
47) Bromodichloromethane	9.65	83	500443	149.756	ug/l	99
48) Methyl methacrylate	9.44	41	200579	145.007	ug/l	100
49) 1,4-Dioxane	9.45	88	49059	3064.051	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	1002610	710.252	ug/l	100
52) Toluene	10.39	92	942633	146.264	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	514542	150.744	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	593259	148.385	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	255157	146.205	ug/l	98
56) Ethyl methacrylate	10.65	69	349134	146.464	ug/l	98
57) 1,3-Dichloropropane	10.93	76	453444	145.135	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	804862	709.310	ug/l	99
59) 2-Hexanone	10.97	43	712573	737.795	ug/l	100
60) Dibromochloromethane	11.13	129	325054	154.552	ug/l	100
61) 1,2-Dibromoethane	11.24	107	249458	150.791	ug/l	99
64) Tetrachloroethene	10.86	164	319451	151.171	ug/l	93
65) Chlorobenzene	11.66	112	986691	145.023	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	360015	148.929	ug/l	99
67) Ethyl Benzene	11.73	91	1850242	142.384	ug/l	99
68) m/p-Xylenes	11.84	106	1390028	287.325	ug/l	99
69) o-Xylene	12.17	106	667825	147.125	ug/l	99
70) Styrene	12.18	104	1163192	148.850	ug/l	99
71) Bromoform	12.35	173	184600	155.934	ug/l #	99
73) Isopropylbenzene	12.47	105	1830582	145.871	ug/l	99
74) N-amyl acetate	12.27	43	406633	136.766	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	283574	143.024	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	201618m	147.643	ug/l	
77) Bromobenzene	12.75	156	400082	149.384	ug/l	100
78) n-propylbenzene	12.80	91	2159840	143.647	ug/l	100
79) 2-Chlorotoluene	12.90	91	1232636	145.274	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1522419	144.400	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	102509	145.938	ug/l	97
82) 4-Chlorotoluene	12.99	91	1267971	141.497	ug/l	100
83) tert-Butylbenzene	13.21	119	1313459	146.009	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1533162	145.268	ug/l	99
85) sec-Butylbenzene	13.38	105	1797040	141.786	ug/l	99
86) p-Isopropyltoluene	13.50	119	1686996	145.951	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	764026	144.282	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	757862	143.922	ug/l	98
89) n-Butylbenzene	13.82	91	1598887	142.042	ug/l	99
90) Hexachloroethane	14.09	117	314740	147.474	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	677598	146.392	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	48159	139.022	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	489797	157.576	ug/l	99
94) Hexachlorobutadiene	15.24	225	287808	156.357	ug/l	99
95) Naphthalene	15.36	128	839761	150.552	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	408573	152.643	ug/l	99

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

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