

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060220\
 Data File : VW015524.D
 Acq On : 02 Jun 2020 13:00
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 6/2/2020 4:00:20 PM

Quant Time: Jun 02 13:36:41 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	226601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	359823	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	326784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159704	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	242509	97.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.20%	
35) Dibromofluoromethane	7.88	113	218805	105.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.12%	
50) Toluene-d8	10.32	98	896120	105.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.58%	
62) 4-Bromofluorobenzene	12.62	95	332273	105.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	136253	103.743	ug/l	97
3) Chloromethane	2.22	50	150111	91.950	ug/l	100
4) Vinyl Chloride	2.37	62	237581	95.696	ug/l	98
5) Bromomethane	2.78	94	166056	85.585	ug/l	100
6) Chloroethane	2.93	64	156498	91.548	ug/l	97
7) Trichlorofluoromethane	3.26	101	185976	101.418	ug/l	99
8) Diethyl Ether	3.68	74	104814	90.720	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	214414	100.265	ug/l	99
10) Methyl Iodide	4.27	142	320117	99.004	ug/l	99
11) Tert butyl alcohol	5.18	59	77062	508.549	ug/l	99
12) 1,1-Dichloroethene	4.04	96	214337	97.158	ug/l	98
13) Acrolein	3.89	56	66047	371.346	ug/l	98
14) Allyl chloride	4.67	41	363202	94.061	ug/l	99
15) Acrylonitrile	5.37	53	222403	468.923	ug/l	99
16) Acetone	4.12	43	264255	611.068	ug/l	100
17) Carbon Disulfide	4.38	76	646932	96.082	ug/l	100
18) Methyl Acetate	4.67	43	97422	92.084	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	320457	89.540	ug/l	98
20) Methylene Chloride	4.92	84	220599	86.107	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	242192	96.460	ug/l	98
22) Diisopropyl ether	6.32	45	687395	91.145	ug/l	99
23) Vinyl Acetate	6.26	43	2090794	453.764	ug/l	99
24) 1,1-Dichloroethane	6.22	63	428326	94.554	ug/l	99
25) 2-Butanone	7.17	43	320437	505.102	ug/l	99
26) 2,2-Dichloropropane	7.17	77	282860	93.869	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	262513	96.004	ug/l	99
28) Bromochloromethane	7.51	49	164146	91.252	ug/l	99
29) Tetrahydrofuran	7.53	42	187912	463.493	ug/l	99
30) Chloroform	7.68	83	432101	95.784	ug/l	100
31) Cyclohexane	7.96	56	389968	85.751	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	373703	98.652	ug/l	99
36) 1,1-Dichloropropene	8.09	75	353859	99.091	ug/l	99
37) Ethyl Acetate	7.26	43	133513	94.942	ug/l	99
38) Carbon Tetrachloride	8.07	117	349697	103.512	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	438774	97.027	ug/l	98
40) Benzene	8.32	78	951787	97.322	ug/l	100
41) Methacrylonitrile	7.48	41	83418	93.009	ug/l	99
42) 1,2-Dichloroethane	8.40	62	287862	96.081	ug/l	100
43) Isopropyl Acetate	8.43	43	274839	92.859	ug/l	99
44) Trichloroethene	9.09	130	257693	101.513	ug/l	95
45) 1,2-Dichloropropane	9.37	63	231711	95.858	ug/l	98
46) Dibromomethane	9.46	93	119284	98.016	ug/l	100
47) Bromodichloromethane	9.65	83	326837	99.404	ug/l	99
48) Methyl methacrylate	9.44	41	132554	97.396	ug/l	98
49) 1,4-Dioxane	9.45	88	37412	2374.824	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	662367	476.895	ug/l	100
52) Toluene	10.39	92	627926	99.025	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	329487	98.107	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	386755	98.316	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	166336	96.869	ug/l	99
56) Ethyl methacrylate	10.65	69	228047	97.231	ug/l	98
57) 1,3-Dichloropropane	10.93	76	296433	96.431	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	544256	487.485	ug/l	99
59) 2-Hexanone	10.97	43	472251	496.961	ug/l	100
60) Dibromochloromethane	11.13	129	207372	100.210	ug/l	98
61) 1,2-Dibromoethane	11.24	107	161092	98.968	ug/l	99
64) Tetrachloroethene	10.87	164	212983	104.958	ug/l	93
65) Chlorobenzene	11.66	112	644009	98.572	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	239053	102.982	ug/l	97
67) Ethyl Benzene	11.73	91	1237383	99.161	ug/l	97
68) m/p-Xylenes	11.84	106	926202	199.371	ug/l	100
69) o-Xylene	12.16	106	438970	100.708	ug/l	100
70) Styrene	12.18	104	756479	100.809	ug/l	99
71) Bromoform	12.35	173	117719	103.553	ug/l #	100
73) Isopropylbenzene	12.46	105	1220071	100.966	ug/l	98
74) N-amyl acetate	12.27	43	268529	93.795	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	188281	98.619	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	134113m	101.992	ug/l	
77) Bromobenzene	12.75	156	266370	103.289	ug/l	99
78) n-propylbenzene	12.80	91	1456456	100.597	ug/l	99
79) 2-Chlorotoluene	12.90	91	824631	100.931	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1036255	102.073	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	66868	98.864	ug/l	97
82) 4-Chlorotoluene	12.99	91	850195	98.530	ug/l	100
83) tert-Butylbenzene	13.21	119	878729	101.445	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1032024	101.551	ug/l	99
85) sec-Butylbenzene	13.38	105	1243743	101.911	ug/l	99
86) p-Isopropyltoluene	13.50	119	1126052	101.173	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	526279	103.213	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	515328	101.633	ug/l	99
89) n-Butylbenzene	13.82	91	1105588	102.001	ug/l	100
90) Hexachloroethane	14.09	117	212677	103.490	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	453236	101.691	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	32248	96.676	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	317579	106.105	ug/l	100
94) Hexachlorobutadiene	15.24	225	194466	109.716	ug/l	96
95) Naphthalene	15.36	128	554384	103.217	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	267738	103.879	ug/l	98

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

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