

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030920\
 Data File : VW015098.D
 Acq On : 09 Mar 2020 13:25
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICSVW030920

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:24:04 PM

Quant Time: Mar 10 18:20:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 09 18:51:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	483752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	876905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	776944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	347962	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	325870	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	
35) Dibromofluoromethane	7.88	113	246692	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
50) Toluene-d8	10.32	98	1086650	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.62	95	362098	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	167287	57.030	ug/l	98
3) Chloromethane	2.21	50	314944	50.033	ug/l	100
4) Vinyl Chloride	2.36	62	403866	49.008	ug/l	99
5) Bromomethane	2.77	94	221280	46.975	ug/l	98
6) Chloroethane	2.92	64	237928	49.847	ug/l	99
7) Trichlorofluoromethane	3.26	101	208467	50.551	ug/l	95
8) Diethyl Ether	3.68	74	155530	49.495	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	306924	48.822	ug/l	99
10) Methyl Iodide	4.27	142	343098	49.057	ug/l	99
11) Tert butyl alcohol	5.16	59	95357	233.267	ug/l	98
12) 1,1-Dichloroethene	4.03	96	310658	50.543	ug/l	95
13) Acrolein	3.89	56	132493	221.614	ug/l	100
14) Allyl chloride	4.67	41	642979	52.201	ug/l	99
15) Acrylonitrile	5.36	53	383000	237.782	ug/l	98
16) Acetone	4.12	43	463431	285.683	ug/l	97
17) Carbon Disulfide	4.38	76	1074416	49.303	ug/l	99
18) Methyl Acetate	4.67	43	175406	45.615	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	401119	50.979	ug/l	99
20) Methylene Chloride	4.92	84	335952	50.796	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	323998	49.649	ug/l	98
22) Diisopropyl ether	6.31	45	1213903	51.362	ug/l	98
23) Vinyl Acetate	6.25	43	3602870	258.238	ug/l	100
24) 1,1-Dichloroethane	6.21	63	670847	48.674	ug/l	99
25) 2-Butanone	7.16	43	571479	256.979	ug/l	98
26) 2,2-Dichloropropane	7.16	77	380495	48.270	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	338583	49.836	ug/l	99
28) Bromochloromethane	7.51	49	325618	49.307	ug/l	99
29) Tetrahydrofuran	7.52	42	339495	244.065	ug/l	99
30) Chloroform	7.67	83	581465	47.541	ug/l	99
31) Cyclohexane	7.95	56	687400	48.494	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	469166	49.128	ug/l	98
36) 1,1-Dichloropropene	8.08	75	516267	50.767	ug/l	99
37) Ethyl Acetate	7.24	43	238122	46.982	ug/l	99
38) Carbon Tetrachloride	8.06	117	412501	49.828	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	617233	53.083	ug/l	97
40) Benzene	8.32	78	1391220	49.228	ug/l	99
41) Methacrylonitrile	7.48	41	149373	55.726	ug/l #	87
42) 1,2-Dichloroethane	8.40	62	414776	48.174	ug/l	100
43) Isopropyl Acetate	8.42	43	440844	48.517	ug/l	99
44) Trichloroethene	9.09	130	295496	49.121	ug/l	98
45) 1,2-Dichloropropane	9.37	63	369024	48.487	ug/l	99
46) Dibromomethane	9.45	93	155256	46.915	ug/l	99
47) Bromodichloromethane	9.64	83	432608	48.964	ug/l	99
48) Methyl methacrylate	9.43	41	225123	48.389	ug/l	94
49) 1,4-Dioxane	9.45	88	51831	1022.971	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	1178886	234.894	ug/l	100
52) Toluene	10.38	92	819068	50.451	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	439598	50.575	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	532840	50.323	ug/l	96
55) 1,1,2-Trichloroethane	10.78	97	211933	46.737	ug/l	99
56) Ethyl methacrylate	10.64	69	306332	46.978	ug/l	99
57) 1,3-Dichloropropane	10.93	76	418805	48.512	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	835193	243.278	ug/l	100
59) 2-Hexanone	10.96	43	825732	239.239	ug/l	100
60) Dibromochloromethane	11.12	129	226378	48.337	ug/l	98
61) 1,2-Dibromoethane	11.23	107	196641	48.915	ug/l	99
64) Tetrachloroethene	10.86	164	218897	48.821	ug/l	98
65) Chlorobenzene	11.65	112	773394	49.594	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	257502	49.586	ug/l	100
67) Ethyl Benzene	11.73	91	1588897	52.359	ug/l	100
68) m/p-Xylenes	11.83	106	1130448	105.375	ug/l	98
69) o-Xylene	12.16	106	510576	52.834	ug/l	99
70) Styrene	12.18	104	877537	52.996	ug/l	99
71) Bromoform	12.35	173	111798	48.511	ug/l #	98
73) Isopropylbenzene	12.46	105	1453305	54.676	ug/l	99
74) N-amyl acetate	12.27	43	415957	47.383	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	259742	48.123	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	200785m	51.056	ug/l	
77) Bromobenzene	12.74	156	269784	51.352	ug/l	100
78) n-propylbenzene	12.80	91	1883571	54.527	ug/l	99
79) 2-Chlorotoluene	12.89	91	1028140	52.938	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1217699	53.281	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	87304	50.142	ug/l	98
82) 4-Chlorotoluene	12.99	91	1078133	52.127	ug/l	100
83) tert-Butylbenzene	13.20	119	1008141	54.451	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	1232319	53.927	ug/l	98
85) sec-Butylbenzene	13.38	105	1510895	53.921	ug/l	100
86) p-Isopropyltoluene	13.49	119	1301539	54.039	ug/l	99
87) 1,3-Dichlorobenzene	13.49	146	563262	50.601	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	542560	49.500	ug/l	99
89) n-Butylbenzene	13.82	91	1420910	54.703	ug/l	100
90) Hexachloroethane	14.09	117	242500	50.203	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	486274	49.878	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	44006	50.773	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	306832	54.998	ug/l	100
94) Hexachlorobutadiene	15.23	225	180640	51.571	ug/l	97
95) Naphthalene	15.36	128	611137	50.082	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	275819	55.740	ug/l	98

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

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