

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030920\
 Data File : VW015105.D
 Acq On : 09 Mar 2020 18:41
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:24:20 PM

Quant Time: Mar 10 18:00:26 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	455465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	845169	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	752347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	336944	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	345390	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
35) Dibromofluoromethane	7.88	113	266479	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
50) Toluene-d8	10.32	98	1140871	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	
62) 4-Bromofluorobenzene	12.62	95	380833	54.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	124347	45.024	ug/l	98
3) Chloromethane	2.21	50	256468	43.274	ug/l	97
4) Vinyl Chloride	2.37	62	348017	44.853	ug/l	98
5) Bromomethane	2.78	94	211109	47.599	ug/l	96
6) Chloroethane	2.92	64	217235	48.338	ug/l	95
7) Trichlorofluoromethane	3.26	101	201447	51.882	ug/l	94
8) Diethyl Ether	3.68	74	147787	49.952	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	279803	47.272	ug/l	99
10) Methyl Iodide	4.27	142	326573	49.595	ug/l	100
11) Tert butyl alcohol	5.19	59	79939	207.696	ug/l	98
12) 1,1-Dichloroethene	4.04	96	279883	48.364	ug/l	98
13) Acrolein	3.89	56	122768	218.100	ug/l	96
14) Allyl chloride	4.67	41	603960	52.078	ug/l	99
15) Acrylonitrile	5.37	53	360860	237.950	ug/l	100
16) Acetone	4.12	43	334743	219.169	ug/l	95
17) Carbon Disulfide	4.38	76	972366	47.391	ug/l	98
18) Methyl Acetate	4.67	43	171336	47.324	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	405448	54.730	ug/l	99
20) Methylene Chloride	4.92	84	340957	55.084	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	311859	50.757	ug/l	100
22) Diisopropyl ether	6.31	45	1207253	54.253	ug/l	99
23) Vinyl Acetate	6.25	43	3515736	267.642	ug/l	100
24) 1,1-Dichloroethane	6.21	63	651011	50.169	ug/l	99
25) 2-Butanone	7.17	43	487652	232.903	ug/l	99
26) 2,2-Dichloropropane	7.17	77	365552	49.255	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	329044	51.440	ug/l	100
28) Bromochloromethane	7.51	49	308552	49.624	ug/l	99
29) Tetrahydrofuran	7.53	42	318975	243.554	ug/l	100
30) Chloroform	7.67	83	571389	49.619	ug/l	98
31) Cyclohexane	7.95	56	641539	48.069	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	444546	49.441	ug/l	99
36) 1,1-Dichloropropene	8.08	75	492692	50.268	ug/l	99
37) Ethyl Acetate	7.25	43	235293	48.167	ug/l	98
38) Carbon Tetrachloride	8.07	117	384305	48.166	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	578852	51.651	ug/l	98
40) Benzene	8.32	78	1356536	49.803	ug/l	99
41) Methacrylonitrile	7.48	41	133414	51.642	ug/l	97
42) 1,2-Dichloroethane	8.40	62	410692	49.491	ug/l	99
43) Isopropyl Acetate	8.42	43	432454	49.381	ug/l	99
44) Trichloroethene	9.09	130	281718	48.589	ug/l	98
45) 1,2-Dichloropropane	9.37	63	368413	50.224	ug/l	99
46) Dibromomethane	9.46	93	156098	48.940	ug/l	98
47) Bromodichloromethane	9.64	83	426744	50.113	ug/l	98
48) Methyl methacrylate	9.43	41	204282	45.708	ug/l	100
49) 1,4-Dioxane	9.46	88	43149	883.596	ug/l #	68
51) 4-Methyl-2-Pentanone	10.21	43	1142729	236.239	ug/l	100
52) Toluene	10.38	92	798969	51.061	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	425610	50.804	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	522335	51.183	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	212440	48.608	ug/l	98
56) Ethyl methacrylate	10.64	69	297651	47.344	ug/l	100
57) 1,3-Dichloropropane	10.93	76	417154	50.135	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	884762	267.394	ug/l	100
59) 2-Hexanone	10.96	43	739896	222.747	ug/l	99
60) Dibromochloromethane	11.12	129	223386	49.489	ug/l	99
61) 1,2-Dibromoethane	11.23	107	189385	48.879	ug/l	99
64) Tetrachloroethene	10.86	164	211483	48.709	ug/l	96
65) Chlorobenzene	11.65	112	756115	50.071	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	248673	49.451	ug/l	100
67) Ethyl Benzene	11.73	91	1532909	52.166	ug/l	98
68) m/p-Xylenes	11.84	106	1087284	104.665	ug/l	100
69) o-Xylene	12.16	106	496828	53.092	ug/l	97
70) Styrene	12.18	104	869719	54.241	ug/l	99
71) Bromoform	12.35	173	107524	48.181	ug/l #	99
73) Isopropylbenzene	12.46	105	1384109	53.776	ug/l	100
74) N-amyl acetate	12.27	43	397643	46.813	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	255655	48.915	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	200217m	52.576	ug/l	
77) Bromobenzene	12.74	156	261802	51.462	ug/l	99
78) n-propylbenzene	12.80	91	1812489	54.185	ug/l	100
79) 2-Chlorotoluene	12.89	91	997748	53.053	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1180955	53.363	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	82689	49.044	ug/l	99
82) 4-Chlorotoluene	12.99	91	1051517	52.502	ug/l	99
83) tert-Butylbenzene	13.21	119	938928	52.371	ug/l	96
84) 1,2,4-Trimethylbenzene	13.25	105	1193689	53.944	ug/l	97
85) sec-Butylbenzene	13.38	105	1456541	53.681	ug/l	100
86) p-Isopropyltoluene	13.49	119	1253303	53.737	ug/l	99
87) 1,3-Dichlorobenzene	13.49	146	544273	50.494	ug/l	99
88) 1,4-Dichlorobenzene	13.57	146	528842	49.827	ug/l	100
89) n-Butylbenzene	13.82	91	1340355	53.290	ug/l	100
90) Hexachloroethane	14.09	117	232895	49.791	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	471791	49.975	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	39750	47.362	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	270720	50.112	ug/l	99
94) Hexachlorobutadiene	15.23	225	162049	47.776	ug/l	98
95) Naphthalene	15.36	128	533299	45.440	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	240928	50.281	ug/l	97

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

