

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012420\
 Data File : VW014757.D
 Acq On : 24 Jan 2020 20:53
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 12:06:38 PM

Quant Time: Jan 27 00:35:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 24 13:12:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	630945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	985911	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	855941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	418369	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	330659	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	
35) Dibromofluoromethane	7.88	113	296443	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
50) Toluene-d8	10.32	98	1232480	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
62) 4-Bromofluorobenzene	12.62	95	417511	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	218289	55.877	ug/l	97
3) Chloromethane	2.21	50	265913	47.819	ug/l	100
4) Vinyl Chloride	2.36	62	434019	51.383	ug/l	100
5) Bromomethane	2.78	94	241537	51.327	ug/l	98
6) Chloroethane	2.92	64	246802	52.728	ug/l	99
7) Trichlorofluoromethane	3.26	101	212267	52.345	ug/l	99
8) Diethyl Ether	3.68	74	177860	55.642	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	328107	51.157	ug/l	100
10) Methyl Iodide	4.27	142	466980	52.613	ug/l	99
11) Tert butyl alcohol	5.15	59	122731	281.072	ug/l	98
12) 1,1-Dichloroethene	4.04	96	337413	51.855	ug/l	98
13) Acrolein	3.89	56	150955	310.281	ug/l	100
14) Allyl chloride	4.66	41	568982	53.240	ug/l	99
15) Acrylonitrile	5.36	53	458498	302.214	ug/l	100
16) Acetone	4.11	43	372013	243.585	ug/l	98
17) Carbon Disulfide	4.39	76	1074546	51.794	ug/l	99
18) Methyl Acetate	4.67	43	212221	62.071	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	482053	59.190	ug/l	100
20) Methylene Chloride	4.91	84	358498	54.943	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	359684	52.130	ug/l	98
22) Diisopropyl ether	6.31	45	1087116	55.386	ug/l	100
23) Vinyl Acetate	6.25	43	3401305	292.303	ug/l	99
24) 1,1-Dichloroethane	6.21	63	648640	52.629	ug/l	99
25) 2-Butanone	7.17	43	583486	290.272	ug/l	99
26) 2,2-Dichloropropane	7.16	77	327892	47.739	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	376723	53.342	ug/l	100
28) Bromochloromethane	7.51	49	278065	58.485	ug/l	98
29) Tetrahydrofuran	7.52	42	395983	311.420	ug/l	99
30) Chloroform	7.67	83	593762	52.171	ug/l	96
31) Cyclohexane	7.95	56	642466	50.800	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	478568	51.788	ug/l	100
36) 1,1-Dichloropropene	8.08	75	506410	50.653	ug/l	100
37) Ethyl Acetate	7.25	43	269934	60.746	ug/l	99
38) Carbon Tetrachloride	8.07	117	431657	49.575	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	625473	51.991	ug/l	98
40) Benzene	8.32	78	1420698	50.886	ug/l	99
41) Methacrylonitrile	7.48	41	145918	60.012	ug/l	97
42) 1,2-Dichloroethane	8.40	62	394109	52.531	ug/l	100
43) Isopropyl Acetate	8.42	43	467780	58.148	ug/l	99
44) Trichloroethene	9.09	130	361427	50.731	ug/l	100
45) 1,2-Dichloropropane	9.37	63	360644	52.069	ug/l	100
46) Dibromomethane	9.46	93	176017	53.621	ug/l	98
47) Bromodichloromethane	9.64	83	441431	52.553	ug/l	99
48) Methyl methacrylate	9.43	41	238686	62.950	ug/l	93
49) 1,4-Dioxane	9.44	88	68042	1144.424	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	1259728	300.744	ug/l	99
52) Toluene	10.38	92	876592	51.428	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	445142	53.228	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	539428	52.656	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	252733	53.793	ug/l	98
56) Ethyl methacrylate	10.64	69	356186	58.825	ug/l	96
57) 1,3-Dichloropropane	10.93	76	456832	54.234	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	582556	299.240	ug/l	99
59) 2-Hexanone	10.96	43	866163	306.864	ug/l	99
60) Dibromochloromethane	11.13	129	279131	53.160	ug/l	98
61) 1,2-Dibromoethane	11.23	107	235884	53.667	ug/l	99
64) Tetrachloroethene	10.86	164	308772	52.092	ug/l	95
65) Chlorobenzene	11.65	112	867655	50.102	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	302192	51.523	ug/l	100
67) Ethyl Benzene	11.73	91	1638426	51.930	ug/l	100
68) m/p-Xylenes	11.84	106	1240734	104.030	ug/l	100
69) o-Xylene	12.16	106	568280	52.797	ug/l	100
70) Styrene	12.18	104	984747	53.223	ug/l	99
71) Bromoform	12.35	173	164814	54.848	ug/l	# 100
73) Isopropylbenzene	12.46	105	1568279	52.827	ug/l	98
74) N-amyl acetate	12.27	43	419824	59.376	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	304513	56.197	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	231427m	55.715	ug/l	
77) Bromobenzene	12.74	156	357570	52.381	ug/l	97
78) n-propylbenzene	12.80	91	1886230	52.158	ug/l	100
79) 2-Chlorotoluene	12.89	91	1055450	51.542	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1313649	52.018	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	97573	55.594	ug/l	99
82) 4-Chlorotoluene	12.99	91	1097256	51.244	ug/l	100
83) tert-Butylbenzene	13.21	119	1143941	52.356	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	1317156	52.193	ug/l	99
85) sec-Butylbenzene	13.38	105	1606180	52.204	ug/l	100
86) p-Isopropyltoluene	13.49	119	1445707	51.871	ug/l	100
87) 1,3-Dichlorobenzene	13.49	146	690437	50.967	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	682374	51.103	ug/l	99
89) n-Butylbenzene	13.82	91	1375255	51.729	ug/l	100
90) Hexachloroethane	14.09	117	252591	51.077	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	616123	51.854	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	50077	57.036	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	408887	54.130	ug/l	99
94) Hexachlorobutadiene	15.23	225	256331	49.741	ug/l	98
95) Naphthalene	15.36	128	773786	55.102	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	353223	54.626	ug/l	99

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

