

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052119\
 Data File : VW010498.D
 Acq On : 21 May 2019 20:31
 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
 5/22/2019 11:55:14 AM

Quant Time: May 22 07:40:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:38:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	129066	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	227184	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	206243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	101957	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	63892	47.96	ug/l	0.00
Spiked Amount			Recovery	=	95.92%	
35) Dibromofluoromethane	7.88	113	65230	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
50) Toluene-d8	10.32	98	240678	45.70	ug/l	0.00
Spiked Amount			Recovery	=	91.40%	
62) 4-Bromofluorobenzene	12.62	95	93147	44.41	ug/l	0.00
Spiked Amount			Recovery	=	88.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	56064	48.751	ug/l	98
3) Chloromethane	2.21	50	62500	46.089	ug/l	99
4) Vinyl Chloride	2.35	62	70069	44.608	ug/l	98
5) Bromomethane	2.75	94	51848	47.981	ug/l	99
6) Chloroethane	2.90	64	47786	47.391	ug/l	97
7) Trichlorofluoromethane	3.25	101	115731	49.905	ug/l	96
8) Diethyl Ether	3.68	74	39554	53.807	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	69863	48.919	ug/l	100
10) Methyl Iodide	4.27	142	80570	49.358	ug/l	99
11) Tert butyl alcohol	5.17	59	32450	270.803	ug/l	99
12) 1,1-Dichloroethene	4.04	96	66814	49.010	ug/l	96
13) Acrolein	3.90	56	22813	334.244	ug/l	100
14) Allyl chloride	4.67	41	100018	50.685	ug/l	100
15) Acrylonitrile	5.37	53	83592	271.522	ug/l	100
16) Acetone	4.12	43	70173	258.058	ug/l	99
17) Carbon Disulfide	4.38	76	200277	49.253	ug/l	100
18) Methyl Acetate	4.67	43	38276	57.553	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	192473	55.381	ug/l	96
20) Methylene Chloride	4.92	84	76431	47.666	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	80582	51.532	ug/l	97
22) Diisopropyl ether	6.31	45	212630	52.550	ug/l	100
23) Vinyl Acetate	6.26	43	646242	267.373	ug/l	100
24) 1,1-Dichloroethane	6.21	63	126865	52.540	ug/l	99
25) 2-Butanone	7.17	43	108253	278.175	ug/l	98
26) 2,2-Dichloropropane	7.16	77	109385	47.557	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	91179	53.634	ug/l	97
28) Bromochloromethane	7.51	49	51881	60.011	ug/l	96
29) Tetrahydrofuran	7.53	42	71633	272.026	ug/l	99
30) Chloroform	7.68	83	138761	53.277	ug/l	99
31) Cyclohexane	7.95	56	115307	45.588	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	127578	51.250	ug/l	98
36) 1,1-Dichloropropene	8.08	75	103424	48.869	ug/l	100
37) Ethyl Acetate	7.25	43	49207	54.677	ug/l	100
38) Carbon Tetrachloride	8.07	117	113045	49.516	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	135570	47.814	ug/l	96
40) Benzene	8.32	78	303785	51.645	ug/l	100
41) Methacrylonitrile	7.48	41	27534	51.491	ug/l	98
42) 1,2-Dichloroethane	8.40	62	90014	53.541	ug/l	100
43) Isopropyl Acetate	8.43	43	95706	53.231	ug/l	100
44) Trichloroethene	9.09	130	88347	50.591	ug/l	99
45) 1,2-Dichloropropane	9.37	63	72705	52.043	ug/l	100
46) Dibromomethane	9.46	93	44108	53.987	ug/l	98
47) Bromodichloromethane	9.64	83	107161	52.194	ug/l	98
48) Methyl methacrylate	9.43	41	43751	53.191	ug/l	98
49) 1,4-Dioxane	9.45	88	14467	1083.972	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	245699	269.686	ug/l	100
52) Toluene	10.39	92	204165	51.683	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	108365	52.115	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	124381	52.377	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	64815	55.168	ug/l	98
56) Ethyl methacrylate	10.65	69	87618	54.074	ug/l	97
57) 1,3-Dichloropropane	10.93	76	107592	54.672	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	194396	270.863	ug/l	98
59) 2-Hexanone	10.97	43	173327	266.699	ug/l	99
60) Dibromochloromethane	11.13	129	79635	53.558	ug/l	100
61) 1,2-Dibromoethane	11.24	107	65041	54.651	ug/l	99
64) Tetrachloroethene	10.86	164	73140	50.873	ug/l	97
65) Chlorobenzene	11.66	112	225265	51.249	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	81087	51.498	ug/l	99
67) Ethyl Benzene	11.73	91	381351	49.140	ug/l	98
68) m/p-Xylenes	11.84	106	301981	99.209	ug/l	100
69) o-Xylene	12.16	106	145694	50.519	ug/l	99
70) Styrene	12.18	104	249681	51.026	ug/l	100
71) Bromoform	12.35	173	45027	51.929	ug/l #	100
73) Isopropylbenzene	12.46	105	383748	47.431	ug/l	100
74) N-amyl acetate	12.27	43	91181	49.181	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	75943	51.606	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	52349m	50.582	ug/l	
77) Bromobenzene	12.75	156	91256	50.403	ug/l	100
78) n-propylbenzene	12.80	91	440462	46.715	ug/l	100
79) 2-Chlorotoluene	12.90	91	262338	47.978	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	330181	48.185	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	24045	48.489	ug/l	98
82) 4-Chlorotoluene	12.99	91	272879	48.081	ug/l	100
83) tert-Butylbenzene	13.21	119	279356	46.672	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	328788	48.176	ug/l	99
85) sec-Butylbenzene	13.38	105	387639	46.278	ug/l	100
86) p-Isopropyltoluene	13.50	119	352404	46.481	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	172790	48.644	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	178365	50.047	ug/l	100
89) n-Butylbenzene	13.83	91	326711	45.304	ug/l	100
90) Hexachloroethane	14.10	117	68570	46.726	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	162199	50.114	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13689	50.027	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	106200	48.226	ug/l	99
94) Hexachlorobutadiene	15.24	225	54333	46.185	ug/l	98
95) Naphthalene	15.37	128	236440	51.149	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	93824	49.515	ug/l	98

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

