

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060619\
 Data File : VW010721.D
 Acq On : 06 Jun 2019 20:51
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/7/2019 11:24:59 AM

Quant Time: Jun 07 09:00:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	232238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	397131	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	356379	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	175217	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	139760	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
35) Dibromofluoromethane	7.88	113	107701	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
50) Toluene-d8	10.32	98	436511	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	
62) 4-Bromofluorobenzene	12.62	95	164367	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	106482	49.616	ug/l	99
3) Chloromethane	2.21	50	169856	53.795	ug/l	98
4) Vinyl Chloride	2.35	62	149671	51.305	ug/l	98
5) Bromomethane	2.75	94	85826	53.574	ug/l	96
6) Chloroethane	2.91	64	95723	54.665	ug/l	98
7) Trichlorofluoromethane	3.25	101	200956	53.066	ug/l	97
8) Diethyl Ether	3.68	74	78627	58.100	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	124825	53.614	ug/l	99
10) Methyl Iodide	4.27	142	122003	50.786	ug/l	98
11) Tert butyl alcohol	5.17	59	78819	353.443	ug/l	96
12) 1,1-Dichloroethene	4.04	96	121979	54.312	ug/l	97
13) Acrolein	3.90	56	24742	271.513	ug/l	96
14) Allyl chloride	4.67	41	287619	58.081	ug/l	100
15) Acrylonitrile	5.37	53	198676	302.188	ug/l	100
16) Acetone	4.12	43	212280	289.423	ug/l	99
17) Carbon Disulfide	4.38	76	385569	54.081	ug/l	99
18) Methyl Acetate	4.67	43	97577	61.803	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	384843	59.412	ug/l	98
20) Methylene Chloride	4.92	84	143719	55.855	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	142107	55.738	ug/l	97
22) Diisopropyl ether	6.31	45	586932	59.201	ug/l	99
23) Vinyl Acetate	6.26	43	1781836	297.809	ug/l	100
24) 1,1-Dichloroethane	6.21	63	286596	57.684	ug/l	98
25) 2-Butanone	7.17	43	310109	304.912	ug/l	99
26) 2,2-Dichloropropane	7.16	77	218690	54.092	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	162617	57.957	ug/l	99
28) Bromochloromethane	7.51	49	127759	57.620	ug/l	98
29) Tetrahydrofuran	7.53	42	195732	305.968	ug/l	99
30) Chloroform	7.68	83	263826	58.054	ug/l	99
31) Cyclohexane	7.95	56	279107	50.535	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	225241	56.740	ug/l	99
36) 1,1-Dichloropropene	8.08	75	214425	52.748	ug/l	100
37) Ethyl Acetate	7.26	43	131254	58.267	ug/l	98
38) Carbon Tetrachloride	8.07	117	186559	53.163	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	264355	51.156	ug/l	99
40) Benzene	8.32	78	602740	54.351	ug/l	98
41) Methacrylonitrile	7.48	41	76928	57.454	ug/l	98
42) 1,2-Dichloroethane	8.40	62	200440	56.948	ug/l	99
43) Isopropyl Acetate	8.43	43	255750	58.767	ug/l	100
44) Trichloroethene	9.09	130	146623	53.598	ug/l	99
45) 1,2-Dichloropropane	9.37	63	164748	56.120	ug/l	99
46) Dibromomethane	9.46	93	77265	56.666	ug/l	99
47) Bromodichloromethane	9.65	83	202876	57.399	ug/l	98
48) Methyl methacrylate	9.43	41	124790	59.473	ug/l	97
49) 1,4-Dioxane	9.45	88	25858	1212.968	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	663922	298.622	ug/l	100
52) Toluene	10.39	92	372599	54.607	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	212469	56.754	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	248533	56.417	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	111957	56.996	ug/l	98
56) Ethyl methacrylate	10.65	69	178798	59.155	ug/l	98
57) 1,3-Dichloropropane	10.93	76	209480	56.589	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	413768	261.361	ug/l	100
59) 2-Hexanone	10.97	43	473454	294.653	ug/l	99
60) Dibromochloromethane	11.13	129	126495	58.093	ug/l	100
61) 1,2-Dibromoethane	11.24	107	105148	56.498	ug/l	99
64) Tetrachloroethene	10.87	164	130195	55.023	ug/l	99
65) Chlorobenzene	11.66	112	381414	54.424	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	136460	56.249	ug/l	99
67) Ethyl Benzene	11.73	91	732367	54.376	ug/l	99
68) m/p-Xylenes	11.84	106	524589	108.804	ug/l	100
69) o-Xylene	12.17	106	251192	54.933	ug/l	98
70) Styrene	12.18	104	444948	56.014	ug/l	100
71) Bromoform	12.35	173	73438	58.532	ug/l #	99
73) Isopropylbenzene	12.47	105	681853	51.785	ug/l	99
74) N-amyl acetate	12.27	43	246509	57.929	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	137632	54.907	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	104634m	56.866	ug/l	
77) Bromobenzene	12.75	156	154185	53.646	ug/l	99
78) n-propylbenzene	12.80	91	829453	52.243	ug/l	100
79) 2-Chlorotoluene	12.90	91	483665	53.322	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	574213	53.280	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	43795	54.703	ug/l	99
82) 4-Chlorotoluene	12.99	91	498801	53.288	ug/l	99
83) tert-Butylbenzene	13.21	119	495770	54.203	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	580403	53.517	ug/l	99
85) sec-Butylbenzene	13.39	105	689455	51.773	ug/l	100
86) p-Isopropyltoluene	13.50	119	629650	52.873	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	294496	53.133	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	292059	53.151	ug/l	99
89) n-Butylbenzene	13.83	91	625325	52.628	ug/l	100
90) Hexachloroethane	14.10	117	114601	53.736	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	266436	53.453	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	25784	59.901	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	193716	55.381	ug/l	100
94) Hexachlorobutadiene	15.24	225	117348	53.455	ug/l	99
95) Naphthalene	15.37	128	368836	58.037	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	168781	56.738	ug/l	100

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

