

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060319\
 Data File : VW010672.D
 Acq On : 03 Jun 2019 21:28
 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
 6/4/2019 12:13:11 PM

Quant Time: Jun 04 08:36:39 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	160264	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	262327	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	236652	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	118153	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	78937	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	
35) Dibromofluoromethane	7.88	113	83282	52.32	ug/l	0.00
Spiked Amount			Recovery	=	104.64%	
50) Toluene-d8	10.32	98	302909	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.62	95	121036	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	63595	44.511	ug/l	97
3) Chloromethane	2.21	50	70242	41.715	ug/l	100
4) Vinyl Chloride	2.36	62	79471	40.745	ug/l	98
5) Bromomethane	2.75	94	59293	44.189	ug/l	99
6) Chloroethane	2.90	64	57679	46.067	ug/l	99
7) Trichlorofluoromethane	3.25	101	146160	50.757	ug/l	98
8) Diethyl Ether	3.68	74	49951	54.723	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	91257	51.460	ug/l	95
10) Methyl Iodide	4.27	142	102319	50.480	ug/l	96
11) Tert butyl alcohol	5.17	59	40734	273.762	ug/l	100
12) 1,1-Dichloroethene	4.03	96	86175	50.907	ug/l	95
13) Acrolein	3.89	56	19179	218.388	ug/l	97
14) Allyl chloride	4.67	41	121656	49.649	ug/l	99
15) Acrylonitrile	5.37	53	103397	270.473	ug/l	99
16) Acetone	4.12	43	94055	278.551	ug/l	96
17) Carbon Disulfide	4.38	76	219059	43.385	ug/l	100
18) Methyl Acetate	4.67	43	46518	56.330	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	240201	55.660	ug/l	98
20) Methylene Chloride	4.92	84	95518	48.010	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	100263	51.637	ug/l	95
22) Diisopropyl ether	6.31	45	265257	52.794	ug/l	98
23) Vinyl Acetate	6.26	43	788267	262.646	ug/l	100
24) 1,1-Dichloroethane	6.21	63	161369	53.820	ug/l	99
25) 2-Butanone	7.17	43	136732	282.960	ug/l	98
26) 2,2-Dichloropropane	7.17	77	135692	47.511	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	116770	55.316	ug/l	96
28) Bromochloromethane	7.51	49	55033	51.265	ug/l	89
29) Tetrahydrofuran	7.52	42	87048	266.215	ug/l	97
30) Chloroform	7.68	83	176866	54.688	ug/l	99
31) Cyclohexane	7.95	56	142224	45.284	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	162288	52.502	ug/l	98
36) 1,1-Dichloropropene	8.08	75	130417	53.369	ug/l	99
37) Ethyl Acetate	7.25	43	59484	57.241	ug/l	98
38) Carbon Tetrachloride	8.07	117	143792	54.547	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	170892	52.197	ug/l	97
40) Benzene	8.32	78	382511	56.317	ug/l	98
41) Methacrylonitrile	7.48	41	33960	55.000	ug/l	97
42) 1,2-Dichloroethane	8.40	62	110984	57.171	ug/l	98
43) Isopropyl Acetate	8.43	43	116183	55.964	ug/l	99
44) Trichloroethene	9.09	130	119208	59.118	ug/l	96
45) 1,2-Dichloropropane	9.37	63	92606	57.408	ug/l	96
46) Dibromomethane	9.46	93	56717	60.121	ug/l	93
47) Bromodichloromethane	9.65	83	136346	57.513	ug/l	99
48) Methyl methacrylate	9.44	41	51144	53.849	ug/l	94
49) 1,4-Dioxane	9.45	88	19582	1270.666	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	300680	285.822	ug/l	99
52) Toluene	10.39	92	261309	57.287	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	132935	55.366	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	156510	57.077	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	81509	60.083	ug/l	98
56) Ethyl methacrylate	10.65	69	106254	56.791	ug/l	98
57) 1,3-Dichloropropane	10.93	76	135097	59.451	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	212011	255.832	ug/l	96
59) 2-Hexanone	10.97	43	212267	282.860	ug/l	99
60) Dibromochloromethane	11.13	129	103765	60.437	ug/l	99
61) 1,2-Dibromoethane	11.24	107	82671	60.159	ug/l	99
64) Tetrachloroethene	10.86	164	108489	65.763	ug/l	96
65) Chlorobenzene	11.66	112	295669	58.623	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	108841	60.242	ug/l	99
67) Ethyl Benzene	11.73	91	492908	55.354	ug/l	97
68) m/p-Xylenes	11.84	106	390105	111.692	ug/l	98
69) o-Xylene	12.16	106	186236	56.279	ug/l	98
70) Styrene	12.18	104	320698	57.118	ug/l	98
71) Bromoform	12.35	173	59675	59.979	ug/l #	98
73) Isopropylbenzene	12.47	105	505026	53.865	ug/l	100
74) N-amyl acetate	12.27	43	109689	51.053	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	94694	55.528	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	64634m	53.892	ug/l	
77) Bromobenzene	12.75	156	127839	60.930	ug/l	92
78) n-propylbenzene	12.80	91	564177	51.634	ug/l	99
79) 2-Chlorotoluene	12.90	91	335889	53.009	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	422796	53.244	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	28987	50.442	ug/l	98
82) 4-Chlorotoluene	12.99	91	348235	52.948	ug/l	98
83) tert-Butylbenzene	13.21	119	370068	53.352	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	419172	53.001	ug/l	99
85) sec-Butylbenzene	13.38	105	504246	51.947	ug/l	99
86) p-Isopropyltoluene	13.50	119	462913	52.687	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	232448	56.469	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	234228	56.713	ug/l	98
89) n-Butylbenzene	13.83	91	418634	50.093	ug/l	98
90) Hexachloroethane	14.10	117	90794	53.389	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	217423	57.969	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16084	50.723	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	156290	61.243	ug/l	99
94) Hexachlorobutadiene	15.24	225	84618	62.068	ug/l	99
95) Naphthalene	15.37	128	320940	59.912	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	139454	63.508	ug/l	99

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

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