

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011024.D
 Acq On : 27 Jun 2019 16:49
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 6/28/2019 10:25:09 AM

Quant Time: Jun 28 01:53:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:35:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	209988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	342798	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	308181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	152247	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	267424	103.40	ug/l	0.00
Spiked Amount						
			Recovery	=	206.80%	
35) Dibromofluoromethane	7.88	113	209401	108.20	ug/l	0.00
Spiked Amount						
			Recovery	=	216.40%	
50) Toluene-d8	10.32	98	875966	103.22	ug/l	0.00
Spiked Amount						
			Recovery	=	206.44%	
62) 4-Bromofluorobenzene	12.62	95	316160	102.39	ug/l	0.00
Spiked Amount						
			Recovery	=	204.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	162587	85.282	ug/l	99
3) Chloromethane	2.21	50	207354	75.330	ug/l	98
4) Vinyl Chloride	2.36	62	272640	101.873	ug/l	99
5) Bromomethane	2.76	94	136717	94.282	ug/l	99
6) Chloroethane	2.92	64	154508	98.429	ug/l	100
7) Trichlorofluoromethane	3.24	101	91312	30.231	ug/l	91
8) Diethyl Ether	3.67	74	131320	106.421	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	233500	109.545	ug/l	99
10) Methyl Iodide	4.27	142	332982	162.851	ug/l	100
11) Tert butyl alcohol	5.17	59	97762	485.537	ug/l	99
12) 1,1-Dichloroethene	4.04	96	248168	118.671	ug/l	97
13) Acrolein	3.89	56	74482	772.366	ug/l	98
14) Allyl chloride	4.66	41	411321	93.774	ug/l	100
15) Acrylonitrile	5.36	53	339333	558.791	ug/l	99
16) Acetone	4.12	43	356762	536.873	ug/l	98
17) Carbon Disulfide	4.38	76	736789	112.355	ug/l	99
18) Methyl Acetate	4.67	43	165069	112.035	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	347023	63.342	ug/l	97
20) Methylene Chloride	4.92	84	253400	106.636	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	252846	108.755	ug/l	99
22) Diisopropyl ether	6.31	45	953853	105.754	ug/l	97
23) Vinyl Acetate	6.25	43	3191514	581.628	ug/l	100
24) 1,1-Dichloroethane	6.21	63	503312	110.378	ug/l	99
25) 2-Butanone	7.17	43	544067	581.553	ug/l	100
26) 2,2-Dichloropropane	7.16	77	239974	69.374	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	271389	106.257	ug/l	99
28) Bromochloromethane	7.51	49	217362	104.127	ug/l	99
29) Tetrahydrofuran	7.52	42	344178	580.633	ug/l	100
30) Chloroform	7.67	83	452653	108.591	ug/l	98
31) Cyclohexane	7.95	56	513239	101.770	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	341519	96.135	ug/l	99
36) 1,1-Dichloropropene	8.08	75	382016	107.752	ug/l	99
37) Ethyl Acetate	7.25	43	231901	116.378	ug/l	99
38) Carbon Tetrachloride	8.07	117	327144	107.928	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	485005	108.467	ug/l	99
40) Benzene	8.32	78	1047194	108.062	ug/l	100
41) Methacrylonitrile	7.48	41	128447	107.922	ug/l	91
42) 1,2-Dichloroethane	8.40	62	340257	110.224	ug/l	99
43) Isopropyl Acetate	8.42	43	445800	116.587	ug/l	99
44) Trichloroethene	9.09	130	255028	107.084	ug/l	97
45) 1,2-Dichloropropane	9.37	63	287143	111.677	ug/l	98
46) Dibromomethane	9.46	93	134072	112.004	ug/l	100
47) Bromodichloromethane	9.64	83	347408	112.943	ug/l	100
48) Methyl methacrylate	9.43	41	219800	119.200	ug/l	98
49) 1,4-Dioxane	9.45	88	46315	2401.386	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	1172930	595.877	ug/l	99
52) Toluene	10.38	92	653108	109.684	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	377102	115.842	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	438818	114.255	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	188852	109.674	ug/l	99
56) Ethyl methacrylate	10.65	69	308180	116.835	ug/l	99
57) 1,3-Dichloropropane	10.93	76	362685	111.827	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	747573	544.094	ug/l	100
59) 2-Hexanone	10.97	43	840130	593.733	ug/l	99
60) Dibromochloromethane	11.13	129	214026	113.484	ug/l	100
61) 1,2-Dibromoethane	11.23	107	181687	111.772	ug/l	100
64) Tetrachloroethene	10.86	164	220431	107.145	ug/l	97
65) Chlorobenzene	11.66	112	652964	106.936	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	229930	109.416	ug/l	99
67) Ethyl Benzene	11.73	91	1283476	109.358	ug/l	99
68) m/p-Xylenes	11.84	106	923975	219.224	ug/l	100
69) o-Xylene	12.16	106	435803	109.335	ug/l	100
70) Styrene	12.18	104	763058	110.132	ug/l	100
71) Bromoform	12.35	173	120733	111.499	ug/l #	99
73) Isopropylbenzene	12.46	105	1213518	106.416	ug/l	100
74) N-amyl acetate	12.27	43	440461	117.752	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	239016	109.261	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	169592m	105.665	ug/l	
77) Bromobenzene	12.75	156	261039	104.946	ug/l	99
78) n-propylbenzene	12.80	91	1494048	108.066	ug/l	99
79) 2-Chlorotoluene	12.89	91	844557	106.934	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1027969	109.302	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	82206	118.650	ug/l	95
82) 4-Chlorotoluene	12.99	91	875674	107.268	ug/l	100
83) tert-Butylbenzene	13.21	119	860222	108.245	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	1028398	108.675	ug/l	100
85) sec-Butylbenzene	13.38	105	1239399	107.198	ug/l	99
86) p-Isopropyltoluene	13.50	119	1131803	109.356	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	512651	106.469	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	507541	106.032	ug/l	99
89) n-Butylbenzene	13.82	91	1152145	111.262	ug/l	100
90) Hexachloroethane	14.10	117	203587	110.866	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	459408	105.607	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	42119	111.525	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	331803	108.757	ug/l	100
94) Hexachlorobutadiene	15.24	225	197165	103.675	ug/l	99
95) Naphthalene	15.37	128	665109	118.627	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	292992	112.241	ug/l	99

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

