

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062320\
 Data File : VW015660.D
 Acq On : 23 Jun 2020 14:40
 Operator : SY/VA
 Sample : VW0623SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0623SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:58:21 AM

Quant Time: Jun 24 03:45:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 23 13:20:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	224416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	342843	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	316112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	158687	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	126369	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
35) Dibromofluoromethane	7.88	113	109461	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
50) Toluene-d8	10.32	98	437581	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
62) 4-Bromofluorobenzene	12.62	95	166340	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	26590	19.872	ug/l	94
3) Chloromethane	2.21	50	31335	19.942	ug/l	100
4) Vinyl Chloride	2.37	62	47097	18.541	ug/l	99
5) Bromomethane	2.78	94	38352	20.542	ug/l	96
6) Chloroethane	2.92	64	32009	19.148	ug/l	99
7) Trichlorofluoromethane	3.26	101	32606	17.095	ug/l	96
8) Diethyl Ether	3.68	74	21262	19.302	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	42771	19.025	ug/l	98
10) Methyl Iodide	4.27	142	60261	18.957	ug/l	99
11) Tert butyl alcohol	5.21	59	13847	77.025	ug/l	97
12) 1,1-Dichloroethene	4.04	96	41382	18.904	ug/l	98
13) Acrolein	3.89	56	17553	101.196	ug/l	98
14) Allyl chloride	4.67	41	67912	19.122	ug/l	99
15) Acrylonitrile	5.37	53	43621	95.981	ug/l	98
16) Acetone	4.14	43	47086	99.196	ug/l	98
17) Carbon Disulfide	4.38	76	113358	17.992	ug/l	98
18) Methyl Acetate	4.67	43	20697	18.120	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	65074	19.752	ug/l	99
20) Methylene Chloride	4.91	84	54825	21.070	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	46999	18.726	ug/l	98
22) Diisopropyl ether	6.31	45	137359	19.446	ug/l	97
23) Vinyl Acetate	6.26	43	397813	96.574	ug/l	100
24) 1,1-Dichloroethane	6.21	63	83913	18.872	ug/l	100
25) 2-Butanone	7.18	43	61973	96.601	ug/l	100
26) 2,2-Dichloropropane	7.17	77	56300	18.878	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	51360	19.023	ug/l	100
28) Bromochloromethane	7.51	49	35484	20.746	ug/l	98
29) Tetrahydrofuran	7.54	42	36060	95.651	ug/l	98
30) Chloroform	7.68	83	86536	18.977	ug/l	98
31) Cyclohexane	7.96	56	78942	18.354	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	73223	18.837	ug/l	100
36) 1,1-Dichloropropene	8.09	75	68778	19.288	ug/l	99
37) Ethyl Acetate	7.26	43	26568	19.513	ug/l	98
38) Carbon Tetrachloride	8.07	117	66150	19.137	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	81776	18.934	ug/l	98
40) Benzene	8.32	78	187543	19.342	ug/l	100
41) Methacrylonitrile	7.48	41	15468	19.795	ug/l	95
42) 1,2-Dichloroethane	8.40	62	59433	19.814	ug/l	100
43) Isopropyl Acetate	8.43	43	55350	20.371	ug/l	99
44) Trichloroethene	9.09	130	49761	19.040	ug/l	92
45) 1,2-Dichloropropane	9.37	63	46048	19.430	ug/l	97
46) Dibromomethane	9.46	93	24206	19.740	ug/l	98
47) Bromodichloromethane	9.65	83	61909	19.355	ug/l	97
48) Methyl methacrylate	9.44	41	24634	19.831	ug/l	98
49) 1,4-Dioxane	9.47	88	5979	371.689	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	131833	100.612	ug/l	99
52) Toluene	10.39	92	123798	19.774	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	59858	19.372	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	71530	19.378	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	33553	19.680	ug/l	96
56) Ethyl methacrylate	10.65	69	42563	20.064	ug/l	95
57) 1,3-Dichloropropane	10.93	76	60184	19.912	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	111585	111.155	ug/l	99
59) 2-Hexanone	10.97	43	90650	101.620	ug/l	99
60) Dibromochloromethane	11.13	129	38055	19.154	ug/l	98
61) 1,2-Dibromoethane	11.24	107	31759	19.488	ug/l	98
64) Tetrachloroethene	10.87	164	42663	19.211	ug/l	97
65) Chlorobenzene	11.66	112	129561	19.439	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	44862	19.197	ug/l	99
67) Ethyl Benzene	11.73	91	243096	19.599	ug/l	99
68) m/p-Xylenes	11.84	106	182749	39.237	ug/l	98
69) o-Xylene	12.16	106	84635	19.763	ug/l	99
70) Styrene	12.18	104	142386	19.460	ug/l	99
71) Bromoform	12.35	173	20186	18.774	ug/l #	96
73) Isopropylbenzene	12.46	105	236231	19.515	ug/l	99
74) N-amyl acetate	12.27	43	51054	19.895	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	38068	19.657	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	28224m	19.499	ug/l	
77) Bromobenzene	12.75	156	52443	19.429	ug/l	98
78) n-propylbenzene	12.80	91	282741	19.404	ug/l	98
79) 2-Chlorotoluene	12.90	91	162558	19.814	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	204586	19.946	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	10825	18.846	ug/l	94
82) 4-Chlorotoluene	12.99	91	172614	19.887	ug/l	100
83) tert-Butylbenzene	13.21	119	168285	19.418	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	203928	19.936	ug/l	99
85) sec-Butylbenzene	13.38	105	245404	19.813	ug/l	99
86) p-Isopropyltoluene	13.50	119	226953	20.167	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	109367	20.411	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	106938	20.150	ug/l	97
89) n-Butylbenzene	13.82	91	217406	20.124	ug/l	99
90) Hexachloroethane	14.10	117	39184	19.566	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	93234	20.124	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6212	20.032	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	60926	19.914	ug/l	97
94) Hexachlorobutadiene	15.24	225	36063	18.502	ug/l	96
95) Naphthalene	15.37	128	102248	20.206	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	53932	20.474	ug/l	96

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

