

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090319\
 Data File : VW012537.D
 Acq On : 03 Sep 2019 10:19
 Operator : SY/VA
 Sample : VW0903SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/4/2019 9:34:57 AM

Quant Time: Sep 03 14:18:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	233740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	358884	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	309229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	150535	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	120807	43.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.96%	
35) Dibromofluoromethane	7.88	113	98977	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	
50) Toluene-d8	10.32	98	393582	45.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.62%	
62) 4-Bromofluorobenzene	12.62	95	140503	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	23984	16.665	ug/l	98
3) Chloromethane	2.21	50	36718	16.467	ug/l	97
4) Vinyl Chloride	2.36	62	43572	15.965	ug/l	99
5) Bromomethane	2.77	94	21850	15.809	ug/l	99
6) Chloroethane	2.91	64	24945	16.203	ug/l	99
7) Trichlorofluoromethane	3.25	101	26366	19.240	ug/l	93
8) Diethyl Ether	3.68	74	23195	17.832	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	42843	18.393	ug/l	96
10) Methyl Iodide	4.27	142	55930	17.746	ug/l	100
11) Tert butyl alcohol	5.20	59	15421	92.223	ug/l #	94
12) 1,1-Dichloroethene	4.03	96	41272	17.604	ug/l	97
13) Acrolein	3.89	56	10315	65.533	ug/l	99
14) Allyl chloride	4.67	41	90181	17.992	ug/l	100
15) Acrylonitrile	5.37	53	58601	90.892	ug/l	97
16) Acetone	4.13	43	59439	83.685	ug/l	98
17) Carbon Disulfide	4.38	76	99546	14.049	ug/l	100
18) Methyl Acetate	4.67	43	32889	18.695	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	73914	19.495	ug/l	99
20) Methylene Chloride	4.91	84	47038	17.518	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	44575	17.730	ug/l	93
22) Diisopropyl ether	6.31	45	174168	18.747	ug/l	97
23) Vinyl Acetate	6.25	43	504880	88.302	ug/l	99
24) 1,1-Dichloroethane	6.21	63	93686	18.520	ug/l	99
25) 2-Butanone	7.17	43	84493	87.542	ug/l	97
26) 2,2-Dichloropropane	7.17	77	56670	19.792	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	51246	19.078	ug/l	99
28) Bromochloromethane	7.51	49	40784	18.498	ug/l	93
29) Tetrahydrofuran	7.53	42	49655	85.751	ug/l	97
30) Chloroform	7.67	83	89680	19.377	ug/l	100
31) Cyclohexane	7.95	56	84247	16.833	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	71143	19.432	ug/l	100
36) 1,1-Dichloropropene	8.08	75	71188	19.195	ug/l	99
37) Ethyl Acetate	7.25	43	35357	17.398	ug/l	98
38) Carbon Tetrachloride	8.07	117	64122	19.976	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	76590	18.383	ug/l	95
40) Benzene	8.32	78	194161	19.173	ug/l	98
41) Methacrylonitrile	7.48	41	24053	20.137	ug/l	95
42) 1,2-Dichloroethane	8.40	62	62082	19.561	ug/l	100
43) Isopropyl Acetate	8.42	43	69028	18.337	ug/l	100
44) Trichloroethene	9.09	130	48595	19.740	ug/l	98
45) 1,2-Dichloropropane	9.37	63	51997	19.079	ug/l	99
46) Dibromomethane	9.46	93	22856	18.849	ug/l	97
47) Bromodichloromethane	9.64	83	62780	19.453	ug/l	99
48) Methyl methacrylate	9.44	41	33097	18.473	ug/l	97
49) 1,4-Dioxane	9.46	88	6772	364.797	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	176704	92.288	ug/l	99
52) Toluene	10.38	92	119692	19.675	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	64361	19.578	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	77177	19.443	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	34150	19.905	ug/l	97
56) Ethyl methacrylate	10.65	69	47787	19.137	ug/l	97
57) 1,3-Dichloropropane	10.93	76	63878	19.702	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	118554	92.509	ug/l	99
59) 2-Hexanone	10.97	43	124778	92.102	ug/l	100
60) Dibromochloromethane	11.13	129	37459	19.602	ug/l	98
61) 1,2-Dibromoethane	11.23	107	31139	19.482	ug/l	99
64) Tetrachloroethene	10.86	164	39897	19.901	ug/l	98
65) Chlorobenzene	11.66	112	120754	19.832	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	43511	20.483	ug/l	99
67) Ethyl Benzene	11.73	91	233996	19.950	ug/l	96
68) m/p-Xylenes	11.84	106	171288	40.541	ug/l	99
69) o-Xylene	12.16	106	78945	20.188	ug/l	100
70) Styrene	12.18	104	136981	20.238	ug/l	100
71) Bromoform	12.35	173	20842	19.693	ug/l #	98
73) Isopropylbenzene	12.46	105	227059	20.130	ug/l	98
74) N-amyl acetate	12.27	43	62932	18.466	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	38385	18.562	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	32999m	22.508	ug/l	
77) Bromobenzene	12.74	156	49131	20.133	ug/l	96
78) n-propylbenzene	12.80	91	275858	20.033	ug/l	99
79) 2-Chlorotoluene	12.89	91	156118	19.969	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	189727	20.129	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	12449	18.617	ug/l	98
82) 4-Chlorotoluene	12.99	91	165533	20.221	ug/l	100
83) tert-Butylbenzene	13.21	119	166545	20.860	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	192072	20.286	ug/l	99
85) sec-Butylbenzene	13.38	105	232278	20.306	ug/l	100
86) p-Isopropyltoluene	13.50	119	213792	20.929	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	96266	20.169	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	96559	20.374	ug/l	98
89) n-Butylbenzene	13.82	91	207469	20.423	ug/l	100
90) Hexachloroethane	14.09	117	34686	19.353	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	85074	20.318	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6764	19.402	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	60258	20.824	ug/l	100
94) Hexachlorobutadiene	15.24	225	41799	21.877	ug/l	99
95) Naphthalene	15.36	128	96770	19.891	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	51828	20.529	ug/l	99

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

