

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111319\
 Data File : VW013998.D
 Acq On : 13 Nov 2019 11:29
 Operator : SY/VA
 Sample : VW1113SBS01
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1113SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 10:50:03 AM

Quant Time: Nov 14 06:12:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	344924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	490205	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	418686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	212690	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	129403	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
35) Dibromofluoromethane	7.88	113	132560	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
50) Toluene-d8	10.32	98	544652	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
62) 4-Bromofluorobenzene	12.62	95	181597	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	42330	23.295	ug/l	98
3) Chloromethane	2.21	50	41558	21.280	ug/l	93
4) Vinyl Chloride	2.36	62	71195	24.140	ug/l	99
5) Bromomethane	2.75	94	41804	21.552	ug/l	96
6) Chloroethane	2.92	64	40332	22.600	ug/l	99
7) Trichlorofluoromethane	3.25	101	45441	24.667	ug/l	98
8) Diethyl Ether	3.68	74	31471	21.145	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	64633	21.582	ug/l	95
10) Methyl Iodide	4.28	142	105053	21.527	ug/l	99
11) Tert butyl alcohol	5.17	59	20949	135.621	ug/l	96
12) 1,1-Dichloroethene	4.04	96	67557	21.839	ug/l	95
13) Acrolein	3.90	56	13276	75.019	ug/l	99
14) Allyl chloride	4.67	41	101751	21.391	ug/l	98
15) Acrylonitrile	5.36	53	66339	109.619	ug/l	99
16) Acetone	4.12	43	56616	103.195	ug/l	95
17) Carbon Disulfide	4.39	76	197892	22.275	ug/l	100
18) Methyl Acetate	4.66	43	34925	23.223	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	81825	22.042	ug/l	100
20) Methylene Chloride	4.92	84	72746	21.382	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	72236	21.696	ug/l	94
22) Diisopropyl ether	6.31	45	185605	21.391	ug/l	96
23) Vinyl Acetate	6.25	43	524718	104.223	ug/l	99
24) 1,1-Dichloroethane	6.21	63	116975	21.287	ug/l	98
25) 2-Butanone	7.17	43	85732	108.692	ug/l	99
26) 2,2-Dichloropropane	7.17	77	71421	22.477	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	75034	21.218	ug/l	97
28) Bromochloromethane	7.51	49	30144	16.324	ug/l #	97
29) Tetrahydrofuran	7.52	42	55320	113.285	ug/l	100
30) Chloroform	7.67	83	118593	21.832	ug/l	97
31) Cyclohexane	7.95	56	122964	21.382	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	94291	22.119	ug/l	99
36) 1,1-Dichloropropene	8.08	75	100152	21.938	ug/l	98
37) Ethyl Acetate	7.24	43	37887	21.679	ug/l	100
38) Carbon Tetrachloride	8.07	117	89935	21.876	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	125328	21.258	ug/l	98
40) Benzene	8.32	78	277469	21.476	ug/l	100
41) Methacrylonitrile	7.48	41	25895	23.762	ug/l	89
42) 1,2-Dichloroethane	8.40	62	68824	21.139	ug/l	100
43) Isopropyl Acetate	8.42	43	70468	21.066	ug/l	98
44) Trichloroethene	9.09	130	78317	21.162	ug/l	99
45) 1,2-Dichloropropane	9.37	63	66606	21.583	ug/l	96
46) Dibromomethane	9.46	93	31080	20.750	ug/l	99
47) Bromodichloromethane	9.64	83	81863	21.123	ug/l	96
48) Methyl methacrylate	9.43	41	36086	21.754	ug/l	99
49) 1,4-Dioxane	9.45	88	11875	536.524	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	181531	109.207	ug/l	100
52) Toluene	10.38	92	177667	21.319	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	81278	20.717	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	100783	20.821	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	46659	20.902	ug/l	96
56) Ethyl methacrylate	10.65	69	60225	21.564	ug/l	99
57) 1,3-Dichloropropane	10.93	76	80999	21.145	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	118027	91.824	ug/l	100
59) 2-Hexanone	10.96	43	124059	108.258	ug/l	99
60) Dibromochloromethane	11.13	129	55804	21.055	ug/l	99
61) 1,2-Dibromoethane	11.23	107	44152	20.907	ug/l	99
64) Tetrachloroethene	10.86	164	68181	21.314	ug/l	94
65) Chlorobenzene	11.66	112	185089	21.513	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	62461	20.802	ug/l	98
67) Ethyl Benzene	11.73	91	332942	21.461	ug/l	99
68) m/p-Xylenes	11.84	106	255701	42.661	ug/l	100
69) o-Xylene	12.16	106	116851	21.210	ug/l	99
70) Styrene	12.18	104	200348	21.165	ug/l	99
71) Bromoform	12.35	173	33337	21.156	ug/l #	97
73) Isopropylbenzene	12.46	105	328269	21.492	ug/l	100
74) N-amyl acetate	12.27	43	64719	21.904	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	51147	21.220	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	33712m	22.071	ug/l	
77) Bromobenzene	12.74	156	77473	21.233	ug/l	98
78) n-propylbenzene	12.80	91	379192	21.449	ug/l	100
79) 2-Chlorotoluene	12.89	91	210088	21.147	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	278068	21.566	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	16369	20.253	ug/l	93
82) 4-Chlorotoluene	12.99	91	221038	21.193	ug/l	99
83) tert-Butylbenzene	13.21	119	242548	21.192	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	276260	21.720	ug/l	98
85) sec-Butylbenzene	13.38	105	334738	21.388	ug/l	99
86) p-Isopropyltoluene	13.50	119	312786	21.455	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	150620	21.306	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	149215	21.246	ug/l	99
89) n-Butylbenzene	13.82	91	275856	20.963	ug/l	100
90) Hexachloroethane	14.09	117	52645	20.775	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	130994	21.370	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7804	21.412	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	84106	18.854	ug/l	98
94) Hexachlorobutadiene	15.24	225	67724	22.488	ug/l	95
95) Naphthalene	15.36	128	126480	18.083	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	71912	18.708	ug/l	97

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

