

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091619\
 Data File : VW013034.D
 Acq On : 16 Sep 2019 12:06
 Operator : SY/VA
 Sample : VW0916SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 2:00:55 PM

Quant Time: Sep 16 12:40:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	319788	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	472992	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	403817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	204310	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	142009	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
35) Dibromofluoromethane	7.88	113	124110	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
50) Toluene-d8	10.32	98	497529	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.62	95	173987	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	28902	21.016	ug/l	98
3) Chloromethane	2.21	50	40093	23.479	ug/l	98
4) Vinyl Chloride	2.35	62	51403	22.457	ug/l	96
5) Bromomethane	2.76	94	30512	21.828	ug/l	90
6) Chloroethane	2.91	64	30592	21.792	ug/l	93
7) Trichlorofluoromethane	3.25	101	33921	21.192	ug/l	90
8) Diethyl Ether	3.68	74	25419	20.338	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	49414	20.354	ug/l	99
10) Methyl Iodide	4.26	142	65159	21.447	ug/l	99
11) Tert butyl alcohol	5.17	59	23337	104.595	ug/l	98
12) 1,1-Dichloroethene	4.04	96	46418	21.029	ug/l	95
13) Acrolein	3.89	56	23355	103.150	ug/l	98
14) Allyl chloride	4.67	41	92027	21.961	ug/l	96
15) Acrylonitrile	5.37	53	67965	106.470	ug/l	98
16) Acetone	4.12	43	67750	93.477	ug/l	99
17) Carbon Disulfide	4.38	76	96810	22.008	ug/l	98
18) Methyl Acetate	4.67	43	38199	22.702	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	90587	20.790	ug/l	94
20) Methylene Chloride	4.92	84	56269	20.525	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	49703	21.024	ug/l	96
22) Diisopropyl ether	6.31	45	184268	21.167	ug/l	98
23) Vinyl Acetate	6.25	43	539466	103.463	ug/l	98
24) 1,1-Dichloroethane	6.21	63	104782	20.876	ug/l	99
25) 2-Butanone	7.17	43	97264	103.568	ug/l	98
26) 2,2-Dichloropropane	7.16	77	71495	19.828	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	58772	20.764	ug/l	99
28) Bromochloromethane	7.51	49	42505	20.119	ug/l	99
29) Tetrahydrofuran	7.53	42	56691	105.944	ug/l	99
30) Chloroform	7.67	83	103417	20.278	ug/l	98
31) Cyclohexane	7.95	56	92008	22.042	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	84222	20.053	ug/l	97
36) 1,1-Dichloropropene	8.08	75	77605	20.532	ug/l	100
37) Ethyl Acetate	7.25	43	40386	20.131	ug/l	99
38) Carbon Tetrachloride	8.07	117	75503	19.493	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	87747	21.187	ug/l	96
40) Benzene	8.32	78	216870	20.554	ug/l	100
41) Methacrylonitrile	7.48	41	23977	18.149	ug/l	93
42) 1,2-Dichloroethane	8.40	62	68296	19.309	ug/l	96
43) Isopropyl Acetate	8.42	43	77009	19.992	ug/l	99
44) Trichloroethene	9.09	130	58549	20.258	ug/l	95
45) 1,2-Dichloropropane	9.37	63	56930	20.308	ug/l	98
46) Dibromomethane	9.46	93	27532	20.499	ug/l	98
47) Bromodichloromethane	9.64	83	73459	19.499	ug/l	99
48) Methyl methacrylate	9.43	41	36370	20.119	ug/l	98
49) 1,4-Dioxane	9.45	88	9015	400.577	ug/l	91
51) 4-Methyl-2-Pentanone	10.21	43	200797	100.971	ug/l	99
52) Toluene	10.38	92	136547	20.366	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	75223	19.854	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	89585	20.665	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	40818	19.950	ug/l	97
56) Ethyl methacrylate	10.65	69	56256	20.427	ug/l	97
57) 1,3-Dichloropropane	10.93	76	73121	20.146	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	150227	101.687	ug/l	99
59) 2-Hexanone	10.97	43	139557	100.783	ug/l	100
60) Dibromochloromethane	11.13	129	47346	19.140	ug/l	97
61) 1,2-Dibromoethane	11.24	107	36997	19.822	ug/l	100
64) Tetrachloroethene	10.86	164	47739	19.872	ug/l	99
65) Chlorobenzene	11.65	112	145047	20.165	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	53228	19.310	ug/l	98
67) Ethyl Benzene	11.73	91	268463	20.209	ug/l	100
68) m/p-Xylenes	11.83	106	199697	41.149	ug/l	100
69) o-Xylene	12.16	106	94169	20.698	ug/l	99
70) Styrene	12.18	104	162447	20.071	ug/l	100
71) Bromoform	12.35	173	27955	19.308	ug/l #	98
73) Isopropylbenzene	12.46	105	270067	19.943	ug/l	99
74) N-amyl acetate	12.27	43	68782	19.744	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	48517	20.398	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	32019m	17.892	ug/l	
77) Bromobenzene	12.74	156	62093	19.903	ug/l	98
78) n-propylbenzene	12.80	91	319741	20.072	ug/l	100
79) 2-Chlorotoluene	12.89	91	181630	19.834	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	224256	19.574	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15987	20.265	ug/l	97
82) 4-Chlorotoluene	12.99	91	190579	19.725	ug/l	99
83) tert-Butylbenzene	13.21	119	197766	19.299	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	225054	19.879	ug/l	100
85) sec-Butylbenzene	13.38	105	272720	19.533	ug/l	99
86) p-Isopropyltoluene	13.50	119	253903	19.807	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	120236	19.469	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	119693	19.722	ug/l	99
89) n-Butylbenzene	13.82	91	236251	19.543	ug/l	99
90) Hexachloroethane	14.09	117	43738	19.040	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	107507	19.795	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7909	18.166	ug/l	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	74643	19.271	ug/l	99
94) Hexachlorobutadiene	15.24	225	52416	19.116	ug/l	98
95) Naphthalene	15.36	128	130756	20.204	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	66480	19.416	ug/l	99

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

