

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091919\
 Data File : VW013154.D
 Acq On : 19 Sep 2019 12:16
 Operator : SY/VA
 Sample : VW0919SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0919SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 10:46:08 AM

Quant Time: Sep 20 08:07:05 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	366244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	526204	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	451979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	229182	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	138599	40.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.96%	
35) Dibromofluoromethane	7.88	113	141490	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	10.32	98	585370	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
62) 4-Bromofluorobenzene	12.62	95	199234	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	27053	16.278	ug/l	93
3) Chloromethane	2.21	50	35527	16.950	ug/l	97
4) Vinyl Chloride	2.35	62	50210	19.153	ug/l	98
5) Bromomethane	2.77	94	30108	18.807	ug/l	95
6) Chloroethane	2.91	64	30116	18.731	ug/l	95
7) Trichlorofluoromethane	3.25	101	32951	17.975	ug/l	99
8) Diethyl Ether	3.68	74	26430	18.464	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	54463	19.589	ug/l	97
10) Methyl Iodide	4.26	142	74298	21.353	ug/l	95
11) Tert butyl alcohol	5.20	59	17398m	59.909	ug/l	
12) 1,1-Dichloroethene	4.04	96	52065	20.595	ug/l	88
13) Acrolein	3.89	56	19169	71.880	ug/l	99
14) Allyl chloride	4.66	41	87937	18.323	ug/l	91
15) Acrylonitrile	5.37	53	59925	81.968	ug/l	98
16) Acetone	4.13	43	53916	58.483	ug/l	91
17) Carbon Disulfide	4.37	76	97155	19.285	ug/l	100
18) Methyl Acetate	4.67	43	30635	15.897	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	87043	17.443	ug/l	93
20) Methylene Chloride	4.90	84	66975	21.558	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	54442	20.107	ug/l	97
22) Diisopropyl ether	6.31	45	183607	18.416	ug/l	96
23) Vinyl Acetate	6.25	43	494014	82.728	ug/l #	94
24) 1,1-Dichloroethane	6.21	63	106532	18.532	ug/l	98
25) 2-Butanone	7.18	43	78166	72.674	ug/l	93
26) 2,2-Dichloropropane	7.16	77	68816	15.906	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	66020	20.367	ug/l	91
28) Bromochloromethane	7.51	49	41859	17.300	ug/l	92
29) Tetrahydrofuran	7.53	42	46127	75.268	ug/l	93
30) Chloroform	7.67	83	108325	18.546	ug/l	98
31) Cyclohexane	7.95	56	94047	19.173	ug/l	91
32) 1,1,1-Trichloroethane	7.87	97	86325	17.947	ug/l	97
36) 1,1-Dichloropropene	8.08	75	81601	19.406	ug/l	97
37) Ethyl Acetate	7.25	43	34365	15.397	ug/l #	94
38) Carbon Tetrachloride	8.06	117	77121	17.898	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	93659	20.327	ug/l	99
40) Benzene	8.32	78	238456	20.314	ug/l	99
41) Methacrylonitrile	7.48	41	21228	14.443	ug/l	91
42) 1,2-Dichloroethane	8.40	62	64208	16.317	ug/l	94
43) Isopropyl Acetate	8.42	43	65463	15.276	ug/l	95
44) Trichloroethene	9.09	130	66028	20.536	ug/l	89
45) 1,2-Dichloropropane	9.37	63	60003	19.240	ug/l	100
46) Dibromomethane	9.46	93	27011	18.077	ug/l	95
47) Bromodichloromethane	9.64	83	75944	18.120	ug/l	96
48) Methyl methacrylate	9.43	41	30615	15.223	ug/l	92
49) 1,4-Dioxane	9.47	88	7242	289.253	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	168210	76.031	ug/l	94
52) Toluene	10.38	92	153952	20.640	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	72160	17.119	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	90409	18.746	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	44126	19.386	ug/l	98
56) Ethyl methacrylate	10.65	69	52953	17.283	ug/l	92
57) 1,3-Dichloropropane	10.93	76	75478	18.693	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	147643	89.832	ug/l	98
59) 2-Hexanone	10.97	43	113496	73.674	ug/l	95
60) Dibromochloromethane	11.13	129	49723	18.068	ug/l	100
61) 1,2-Dibromoethane	11.23	107	37718	18.165	ug/l	96
64) Tetrachloroethene	10.86	164	55113	20.497	ug/l	96
65) Chlorobenzene	11.66	112	162626	20.200	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	59353	19.238	ug/l	98
67) Ethyl Benzene	11.73	91	296358	19.932	ug/l	99
68) m/p-Xylenes	11.83	106	223667	41.177	ug/l	97
69) o-Xylene	12.16	106	104597	20.540	ug/l	95
70) Styrene	12.18	104	184242	20.338	ug/l	97
71) Bromoform	12.35	173	28634	17.669	ug/l #	100
73) Isopropylbenzene	12.46	105	299301	19.703	ug/l	98
74) N-amyl acetate	12.27	43	60949	15.597	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	48080	18.021	ug/l	97
76) 1,2,3-Trichloropropane	12.76	75	36215m	18.040	ug/l	
77) Bromobenzene	12.74	156	69772	19.937	ug/l	93
78) n-propylbenzene	12.80	91	352161	19.708	ug/l	98
79) 2-Chlorotoluene	12.89	91	199308	19.403	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	251269	19.552	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.51	75	14136	15.974	ug/l	96
82) 4-Chlorotoluene	12.99	91	208515	19.239	ug/l	96
83) tert-Butylbenzene	13.21	119	228977	19.919	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	251660	19.817	ug/l	98
85) sec-Butylbenzene	13.38	105	314830	20.102	ug/l	99
86) p-Isopropyltoluene	13.50	119	288636	20.073	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	141212	20.384	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	136758	20.088	ug/l	99
89) n-Butylbenzene	13.82	91	267208	19.705	ug/l	99
90) Hexachloroethane	14.09	117	47936	18.603	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	121118	19.881	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7273	14.892	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	82927	19.086	ug/l	98
94) Hexachlorobutadiene	15.24	225	60341	19.618	ug/l	99
95) Naphthalene	15.36	128	128292	17.672	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	71642	18.653	ug/l	99

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

