

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091819\
 Data File : VW013106.D
 Acq On : 18 Sep 2019 12:09
 Operator : SY/VA
 Sample : VW0918SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 11:22:10 AM

Quant Time: Sep 19 08:22:58 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	358514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	512305	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	439348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	221623	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	136744	41.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.60%	
35) Dibromofluoromethane	7.88	113	133807	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
50) Toluene-d8	10.32	98	548902	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.62	95	190190	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	32128	20.797	ug/l	95
3) Chloromethane	2.21	50	37154	18.475	ug/l	94
4) Vinyl Chloride	2.35	62	51266	19.978	ug/l	99
5) Bromomethane	2.77	94	31167	19.888	ug/l	97
6) Chloroethane	2.90	64	29936	19.021	ug/l	94
7) Trichlorofluoromethane	3.24	101	29988	16.711	ug/l	94
8) Diethyl Ether	3.68	74	27134	19.365	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	55784	20.496	ug/l	96
10) Methyl Iodide	4.26	142	73356	21.536	ug/l	95
11) Tert butyl alcohol	5.20	59	18690m	68.027	ug/l	
12) 1,1-Dichloroethene	4.03	96	51814	20.938	ug/l	97
13) Acrolein	3.89	56	20298	78.344	ug/l	99
14) Allyl chloride	4.66	41	88200	18.774	ug/l	93
15) Acrylonitrile	5.37	53	63564	88.820	ug/l	99
16) Acetone	4.13	43	56119	63.527	ug/l #	86
17) Carbon Disulfide	4.37	76	99470	20.170	ug/l	99
18) Methyl Acetate	4.67	43	33201	17.600	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	88633	18.144	ug/l	92
20) Methylene Chloride	4.90	84	59353	18.969	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	55279	20.856	ug/l	99
22) Diisopropyl ether	6.31	45	184560	18.910	ug/l	98
23) Vinyl Acetate	6.25	43	509835	87.218	ug/l	95
24) 1,1-Dichloroethane	6.21	63	107203	19.051	ug/l	99
25) 2-Butanone	7.17	43	83837	79.628	ug/l	92
26) 2,2-Dichloropropane	7.16	77	69394	16.529	ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	66468	20.947	ug/l	92
28) Bromochloromethane	7.51	49	42242	17.835	ug/l	93
29) Tetrahydrofuran	7.53	42	50959	84.946	ug/l	99
30) Chloroform	7.67	83	109627	19.173	ug/l	98
31) Cyclohexane	7.95	56	94846	19.894	ug/l #	87
32) 1,1,1-Trichloroethane	7.87	97	86167	18.300	ug/l	96
36) 1,1-Dichloropropene	8.08	75	81537	19.917	ug/l	96
37) Ethyl Acetate	7.25	43	35132	16.168	ug/l #	94
38) Carbon Tetrachloride	8.07	117	77073	18.372	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	95192	21.220	ug/l	93
40) Benzene	8.32	78	235860	20.638	ug/l	100
41) Methacrylonitrile	7.48	41	24426	17.070	ug/l #	90
42) 1,2-Dichloroethane	8.40	62	67010	17.491	ug/l	94
43) Isopropyl Acetate	8.42	43	69853	16.743	ug/l	96
44) Trichloroethene	9.09	130	66526	21.252	ug/l	83
45) 1,2-Dichloropropane	9.37	63	62354	20.536	ug/l	100
46) Dibromomethane	9.46	93	28999	19.935	ug/l	99
47) Bromodichloromethane	9.64	83	75226	18.436	ug/l	95
48) Methyl methacrylate	9.43	41	31665	16.172	ug/l	89
49) 1,4-Dioxane	9.47	88	8210	336.813	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	180082	83.605	ug/l	96
52) Toluene	10.38	92	152700	21.027	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	74167	18.073	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	90355	19.243	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	43452	19.607	ug/l	99
56) Ethyl methacrylate	10.65	69	56819	19.048	ug/l #	88
57) 1,3-Dichloropropane	10.93	76	76429	19.442	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	154685	96.670	ug/l	97
59) 2-Hexanone	10.97	43	126073	84.059	ug/l	96
60) Dibromochloromethane	11.13	129	50460	18.834	ug/l	99
61) 1,2-Dibromoethane	11.23	107	39935	19.754	ug/l	100
64) Tetrachloroethene	10.86	164	55336	21.172	ug/l	94
65) Chlorobenzene	11.66	112	163724	20.921	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	59149	19.723	ug/l	99
67) Ethyl Benzene	11.73	91	300024	20.758	ug/l	98
68) m/p-Xylenes	11.84	106	226140	42.830	ug/l	95
69) o-Xylene	12.16	106	104751	21.161	ug/l	96
70) Styrene	12.18	104	183868	20.881	ug/l	97
71) Bromoform	12.35	173	29310	18.606	ug/l	99
73) Isopropylbenzene	12.46	105	298468	20.318	ug/l	100
74) N-amyl acetate	12.27	43	64677	17.116	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	51288	19.879	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	38297m	19.728	ug/l	
77) Bromobenzene	12.74	156	69115	20.423	ug/l	94
78) n-propylbenzene	12.80	91	353993	20.486	ug/l	99
79) 2-Chlorotoluene	12.89	91	196421	19.774	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	252410	20.311	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	15826	18.494	ug/l	93
82) 4-Chlorotoluene	12.99	91	208429	19.887	ug/l	97
83) tert-Butylbenzene	13.21	119	225083	20.249	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	251740	20.499	ug/l	97
85) sec-Butylbenzene	13.38	105	308895	20.396	ug/l	100
86) p-Isopropyltoluene	13.50	119	283824	20.412	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	137319	20.498	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	135982	20.655	ug/l	100
89) n-Butylbenzene	13.82	91	261734	19.959	ug/l	98
90) Hexachloroethane	14.09	117	46774	18.771	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	122172	20.738	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7240	15.330	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	83416	19.854	ug/l	99
94) Hexachlorobutadiene	15.24	225	57565	19.354	ug/l	98
95) Naphthalene	15.36	128	130102	18.533	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	72384	19.489	ug/l	100

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

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