

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090319\
 Data File : VW012581.D
 Acq On : 04 Sep 2019 08:22
 Operator : SY/VA
 Sample : VW0903SBS04
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS04

Manual Integrations
 APPROVED

MMDadoda
 9/4/2019 9:34:22 AM

Quant Time: Sep 04 08:49:17 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	208945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	319052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	273306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	137212	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	125892	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
35) Dibromofluoromethane	7.88	113	95779	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
50) Toluene-d8	10.32	98	371028	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
62) 4-Bromofluorobenzene	12.62	95	134513	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	21671	16.844	ug/l	99
3) Chloromethane	2.21	50	31941	16.025	ug/l	94
4) Vinyl Chloride	2.36	62	39374	16.139	ug/l	98
5) Bromomethane	2.78	94	19725	15.965	ug/l	97
6) Chloroethane	2.91	64	21136	15.358	ug/l	92
7) Trichlorofluoromethane	3.25	101	23637	19.295	ug/l	98
8) Diethyl Ether	3.68	74	21370	18.378	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	39081	18.768	ug/l	98
10) Methyl Iodide	4.26	142	48719	17.292	ug/l	99
11) Tert butyl alcohol	5.22	59	15743	105.321	ug/l #	71
12) 1,1-Dichloroethene	4.03	96	36321	17.330	ug/l	88
13) Acrolein	3.90	56	9717	69.059	ug/l	91
14) Allyl chloride	4.66	41	76371	17.045	ug/l	96
15) Acrylonitrile	5.37	53	64190	111.375	ug/l	100
16) Acetone	4.13	43	62229	98.010	ug/l	96
17) Carbon Disulfide	4.38	76	84706	13.373	ug/l	100
18) Methyl Acetate	4.68	43	32217	20.487	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	73880	21.798	ug/l	94
20) Methylene Chloride	4.92	84	44778	18.655	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	42427	18.878	ug/l	99
22) Diisopropyl ether	6.31	45	169701	20.433	ug/l	98
23) Vinyl Acetate	6.25	43	519473	101.636	ug/l	99
24) 1,1-Dichloroethane	6.21	63	91043	20.133	ug/l	99
25) 2-Butanone	7.18	43	94690	109.749	ug/l	99
26) 2,2-Dichloropropane	7.16	77	55831	21.813	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	47567	19.810	ug/l	99
28) Bromochloromethane	7.51	49	41389	21.000	ug/l	95
29) Tetrahydrofuran	7.53	42	54733	105.736	ug/l	98
30) Chloroform	7.68	83	88965	21.504	ug/l	96
31) Cyclohexane	7.95	56	77982	17.430	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	70183	21.444	ug/l	100
36) 1,1-Dichloropropene	8.08	75	67686	20.529	ug/l	100
37) Ethyl Acetate	7.26	43	41320	22.870	ug/l	99
38) Carbon Tetrachloride	8.07	117	64194	22.495	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	70407	19.009	ug/l	99
40) Benzene	8.32	78	184741	20.520	ug/l	100
41) Methacrylonitrile	7.48	41	23062	21.718	ug/l	95
42) 1,2-Dichloroethane	8.40	62	65814	23.325	ug/l	99
43) Isopropyl Acetate	8.42	43	73973	22.104	ug/l	100
44) Trichloroethene	9.09	130	46486	21.241	ug/l	92
45) 1,2-Dichloropropane	9.37	63	50056	20.659	ug/l	100
46) Dibromomethane	9.46	93	23948	22.215	ug/l	99
47) Bromodichloromethane	9.64	83	61911	21.579	ug/l	97
48) Methyl methacrylate	9.43	41	34664	21.763	ug/l	98
49) 1,4-Dioxane	9.48	88	6646	402.705	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	195755	115.001	ug/l	99
52) Toluene	10.38	92	114929	21.250	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	61754	21.130	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	72869	20.650	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	34989	22.940	ug/l	97
56) Ethyl methacrylate	10.65	69	48716	21.945	ug/l	98
57) 1,3-Dichloropropane	10.93	76	64211	22.277	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	133286	116.989	ug/l	99
59) 2-Hexanone	10.97	43	141368	117.375	ug/l	98
60) Dibromochloromethane	11.13	129	37638	22.154	ug/l	98
61) 1,2-Dibromoethane	11.24	107	31565	22.214	ug/l	99
64) Tetrachloroethene	10.86	164	38209	21.564	ug/l	97
65) Chlorobenzene	11.66	112	114819	21.335	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	42237	22.497	ug/l	99
67) Ethyl Benzene	11.73	91	222095	21.424	ug/l	99
68) m/p-Xylenes	11.84	106	161475	43.242	ug/l	99
69) o-Xylene	12.16	106	74830	21.651	ug/l	99
70) Styrene	12.18	104	128848	21.538	ug/l	99
71) Bromoform	12.35	173	21786	23.291	ug/l #	97
73) Isopropylbenzene	12.46	105	213416	20.757	ug/l	100
74) N-amyl acetate	12.27	43	64397	20.731	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	41398	21.963	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	29118m	21.789	ug/l	
77) Bromobenzene	12.74	156	48072	21.612	ug/l	94
78) n-propylbenzene	12.80	91	259466	20.672	ug/l	99
79) 2-Chlorotoluene	12.89	91	148691	20.866	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	180685	21.031	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12368	20.292	ug/l	91
82) 4-Chlorotoluene	12.99	91	155534	20.845	ug/l	100
83) tert-Butylbenzene	13.21	119	155586	21.379	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	183728	21.289	ug/l	98
85) sec-Butylbenzene	13.38	105	219320	21.035	ug/l	99
86) p-Isopropyltoluene	13.50	119	198090	21.274	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	93221	21.427	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	91768	21.243	ug/l	98
89) n-Butylbenzene	13.82	91	192135	20.750	ug/l	100
90) Hexachloroethane	14.09	117	33533	20.527	ug/l	92
91) 1,2-Dichlorobenzene	13.87	146	82162	21.527	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7233	22.762	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	55045	20.870	ug/l	99
94) Hexachlorobutadiene	15.24	225	40039	22.990	ug/l	95
95) Naphthalene	15.37	128	94753	21.047	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	48282	20.981	ug/l	100

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

