

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090419\
 Data File : VW012585.D
 Acq On : 04 Sep 2019 10:39
 Operator : SY/VA
 Sample : VW0904SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/7/2019 12:46:10 AM

Quant Time: Sep 04 15:07:00 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	200090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	309749	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	267620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	137128	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	136547	57.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.82%	
35) Dibromofluoromethane	7.88	113	106015	57.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.68%	
50) Toluene-d8	10.32	98	416097	55.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.00%	
62) 4-Bromofluorobenzene	12.62	95	150492	56.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	25067	20.346	ug/l	94
3) Chloromethane	2.21	50	38258	20.043	ug/l	99
4) Vinyl Chloride	2.35	62	44808	19.179	ug/l	97
5) Bromomethane	2.74	94	22867	19.327	ug/l	97
6) Chloroethane	2.91	64	25958	19.696	ug/l	97
7) Trichlorofluoromethane	3.24	101	25359	21.617	ug/l	98
8) Diethyl Ether	3.68	74	24065	21.612	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	45656	22.896	ug/l	98
10) Methyl Iodide	4.26	142	58096	21.533	ug/l	98
11) Tert butyl alcohol	5.17	59	16660	116.388	ug/l	98
12) 1,1-Dichloroethene	4.04	96	43177	21.513	ug/l	99
13) Acrolein	3.89	56	9647	71.596	ug/l	99
14) Allyl chloride	4.66	41	90656	21.129	ug/l	97
15) Acrylonitrile	5.36	53	60316	109.285	ug/l	98
16) Acetone	4.12	43	66907	110.042	ug/l	98
17) Carbon Disulfide	4.37	76	103486	17.061	ug/l	98
18) Methyl Acetate	4.67	43	34781	23.096	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	75867	23.375	ug/l	100
20) Methylene Chloride	4.91	84	52069	22.653	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	45763	21.263	ug/l	99
22) Diisopropyl ether	6.31	45	179091	22.518	ug/l	98
23) Vinyl Acetate	6.25	43	521521	106.553	ug/l	100
24) 1,1-Dichloroethane	6.21	63	97093	22.421	ug/l	99
25) 2-Butanone	7.16	43	89733	108.606	ug/l	96
26) 2,2-Dichloropropane	7.16	77	58813	23.995	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	52027	22.626	ug/l	98
28) Bromochloromethane	7.51	49	43356	22.972	ug/l	98
29) Tetrahydrofuran	7.52	42	54626	110.200	ug/l	98
30) Chloroform	7.67	83	93199	23.524	ug/l	99
31) Cyclohexane	7.95	56	83920	19.588	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	75515	24.095	ug/l	100
36) 1,1-Dichloropropene	8.08	75	72719	22.718	ug/l	99
37) Ethyl Acetate	7.25	43	38845	22.146	ug/l	99
38) Carbon Tetrachloride	8.07	117	67988	24.540	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	74667	20.764	ug/l	97
40) Benzene	8.32	78	198633	22.726	ug/l	99
41) Methacrylonitrile	7.48	41	21100	20.467	ug/l #	94
42) 1,2-Dichloroethane	8.40	62	68417	24.976	ug/l	99
43) Isopropyl Acetate	8.42	43	72516	22.319	ug/l	98
44) Trichloroethene	9.09	130	49197	23.154	ug/l	94
45) 1,2-Dichloropropane	9.37	63	53948	22.934	ug/l	97
46) Dibromomethane	9.46	93	24375	23.290	ug/l	98
47) Bromodichloromethane	9.64	83	68107	24.451	ug/l	99
48) Methyl methacrylate	9.43	41	34617	22.386	ug/l	95
49) 1,4-Dioxane	9.44	88	7117	444.197	ug/l	91
51) 4-Methyl-2-Pentanone	10.21	43	191032	115.597	ug/l	98
52) Toluene	10.38	92	121672	23.173	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	67840	23.910	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	77545	22.635	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35027	23.654	ug/l	99
56) Ethyl methacrylate	10.65	69	48495	22.502	ug/l	99
57) 1,3-Dichloropropane	10.93	76	66516	23.770	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	127060	114.874	ug/l	99
59) 2-Hexanone	10.97	43	134189	114.761	ug/l	97
60) Dibromochloromethane	11.13	129	39890	24.185	ug/l	99
61) 1,2-Dibromoethane	11.23	107	32593	23.626	ug/l	99
64) Tetrachloroethene	10.86	164	41236	23.766	ug/l	98
65) Chlorobenzene	11.66	112	125843	23.881	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	45304	24.643	ug/l	99
67) Ethyl Benzene	11.73	91	240486	23.691	ug/l	98
68) m/p-Xylenes	11.84	106	173917	47.563	ug/l	100
69) o-Xylene	12.16	106	80113	23.672	ug/l	98
70) Styrene	12.18	104	138948	23.720	ug/l	97
71) Bromoform	12.35	173	23081	25.199	ug/l #	99
73) Isopropylbenzene	12.46	105	230728	22.455	ug/l	99
74) N-amyl acetate	12.27	43	67717	21.813	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	41280	21.914	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	27559m	20.635	ug/l	
77) Bromobenzene	12.74	156	50823	22.863	ug/l	96
78) n-propylbenzene	12.80	91	283344	22.588	ug/l	99
79) 2-Chlorotoluene	12.89	91	161375	22.659	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	200605	23.364	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	12956	21.270	ug/l	96
82) 4-Chlorotoluene	12.99	91	169040	22.669	ug/l	99
83) tert-Butylbenzene	13.21	119	168169	23.122	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	198383	23.001	ug/l	99
85) sec-Butylbenzene	13.38	105	238822	22.920	ug/l	100
86) p-Isopropyltoluene	13.50	119	217298	23.351	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	99663	22.922	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	100833	23.356	ug/l	99
89) n-Butylbenzene	13.82	91	213652	23.088	ug/l	100
90) Hexachloroethane	14.09	117	36922	22.615	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	91387	23.959	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7450	23.459	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	63937	24.256	ug/l	99
94) Hexachlorobutadiene	15.24	225	44412	25.517	ug/l	98
95) Naphthalene	15.36	128	104455	22.771	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	55946	24.327	ug/l	99

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

