

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090119\
 Data File : VW012440.D
 Acq On : 01 Sep 2019 11:47
 Operator : SY/VA
 Sample : VW0901SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 10:44:20 AM

Quant Time: Sep 02 07:38:10 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	221268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	338775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	294611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	148639	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	132705	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
35) Dibromofluoromethane	7.88	113	106394	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
50) Toluene-d8	10.32	98	428848	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
62) 4-Bromofluorobenzene	12.62	95	151921	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	27054	19.857	ug/l	100
3) Chloromethane	2.22	50	44615	21.137	ug/l	98
4) Vinyl Chloride	2.36	62	51991	20.124	ug/l	97
5) Bromomethane	2.72	94	23078m	17.638	ug/l	
6) Chloroethane	2.89	64	30656	21.034	ug/l	97
7) Trichlorofluoromethane	3.24	101	31416	24.217	ug/l	94
8) Diethyl Ether	3.68	74	23198	18.839	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	46829	21.237	ug/l	99
10) Methyl Iodide	4.26	142	58019	19.446	ug/l	97
11) Tert butyl alcohol	5.17	59	16903	106.784	ug/l	97
12) 1,1-Dichloroethene	4.03	96	43533	19.615	ug/l	94
13) Acrolein	3.89	56	12084	81.099	ug/l	98
14) Allyl chloride	4.66	41	92941	19.588	ug/l	97
15) Acrylonitrile	5.36	53	62049	101.664	ug/l	99
16) Acetone	4.12	43	69491	103.352	ug/l	99
17) Carbon Disulfide	4.37	76	108941	16.242	ug/l	100
18) Methyl Acetate	4.66	43	35790	21.491	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	77070	21.473	ug/l	96
20) Methylene Chloride	4.91	84	50094	19.708	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	46810	19.668	ug/l	99
22) Diisopropyl ether	6.31	45	184405	20.967	ug/l	98
23) Vinyl Acetate	6.25	43	525600	97.108	ug/l	100
24) 1,1-Dichloroethane	6.21	63	99428	20.763	ug/l	97
25) 2-Butanone	7.17	43	89617	98.084	ug/l	98
26) 2,2-Dichloropropane	7.16	77	60902	22.469	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	51588	20.288	ug/l	97
28) Bromochloromethane	7.51	49	42164	20.202	ug/l	100
29) Tetrahydrofuran	7.52	42	54381	99.206	ug/l	98
30) Chloroform	7.67	83	94919	21.665	ug/l	96
31) Cyclohexane	7.95	56	89678	18.928	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	77676	22.412	ug/l	99
36) 1,1-Dichloropropene	8.08	75	76181	21.761	ug/l	100
37) Ethyl Acetate	7.25	43	37485	19.540	ug/l	98
38) Carbon Tetrachloride	8.07	117	69328	22.880	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	78199	19.883	ug/l	98
40) Benzene	8.32	78	204130	21.354	ug/l	99
41) Methacrylonitrile	7.48	41	23890	21.188	ug/l	98
42) 1,2-Dichloroethane	8.40	62	67236	22.442	ug/l	100
43) Isopropyl Acetate	8.42	43	73570	20.703	ug/l	99
44) Trichloroethene	9.09	130	50447	21.709	ug/l	99
45) 1,2-Dichloropropane	9.37	63	54540	21.200	ug/l	98
46) Dibromomethane	9.46	93	24433	21.345	ug/l	98
47) Bromodichloromethane	9.64	83	66848	21.943	ug/l	100
48) Methyl methacrylate	9.43	41	34253	20.253	ug/l	99
49) 1,4-Dioxane	9.45	88	7553	431.019	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	191459	105.929	ug/l	98
52) Toluene	10.38	92	124163	21.621	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	66489	21.426	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	79034	21.093	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	35607	21.986	ug/l	99
56) Ethyl methacrylate	10.65	69	49086	20.825	ug/l	98
57) 1,3-Dichloropropane	10.93	76	65872	21.523	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	120779	99.840	ug/l	99
59) 2-Hexanone	10.97	43	135601	106.032	ug/l	99
60) Dibromochloromethane	11.13	129	38414	21.295	ug/l	99
61) 1,2-Dibromoethane	11.24	107	32065	21.252	ug/l	100
64) Tetrachloroethene	10.86	164	41697	21.830	ug/l	97
65) Chlorobenzene	11.66	112	127331	21.949	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	44869	22.171	ug/l	99
67) Ethyl Benzene	11.73	91	245920	22.006	ug/l	98
68) m/p-Xylenes	11.83	106	177119	44.001	ug/l	99
69) o-Xylene	12.16	106	80847	21.701	ug/l	97
70) Styrene	12.18	104	143429	22.242	ug/l	99
71) Bromoform	12.35	173	21373	21.197	ug/l #	98
73) Isopropylbenzene	12.46	105	236833	21.264	ug/l	100
74) N-amyl acetate	12.27	43	66384	19.728	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	40622	19.894	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	28179m	19.466	ug/l	
77) Bromobenzene	12.74	156	50999	21.166	ug/l	98
78) n-propylbenzene	12.80	91	288056	21.185	ug/l	99
79) 2-Chlorotoluene	12.89	91	164285	21.282	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	201433	21.644	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	13153	19.921	ug/l	98
82) 4-Chlorotoluene	12.99	91	171818	21.257	ug/l	100
83) tert-Butylbenzene	13.21	119	171170	21.712	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	201668	21.572	ug/l	100
85) sec-Butylbenzene	13.38	105	244919	21.685	ug/l	99
86) p-Isopropyltoluene	13.50	119	220356	21.846	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	98768	20.957	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	100314	21.436	ug/l	99
89) n-Butylbenzene	13.82	91	219041	21.837	ug/l	100
90) Hexachloroethane	14.09	117	37136	20.985	ug/l	92
91) 1,2-Dichlorobenzene	13.87	146	89609	21.674	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7068	20.533	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	61978	21.692	ug/l	99
94) Hexachlorobutadiene	15.24	225	44107	23.379	ug/l	98
95) Naphthalene	15.36	128	97389	20.190	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	53511	21.466	ug/l	99

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

