

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100719\
 Data File : VW013457.D
 Acq On : 07 Oct 2019 12:34
 Operator : SY/VA
 Sample : VW1007SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2019 1:31:11 PM

Quant Time: Oct 07 17:13:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	277575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	395601	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	344408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	178043	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	115187	55.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.16%	
35) Dibromofluoromethane	7.88	113	113262	54.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.12%	
50) Toluene-d8	10.32	98	469744	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	
62) 4-Bromofluorobenzene	12.62	95	163765	56.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	20855	19.425	ug/l	97
3) Chloromethane	2.21	50	39862	22.500	ug/l	100
4) Vinyl Chloride	2.35	62	53787	21.392	ug/l	96
5) Bromomethane	2.74	94	31109	20.138	ug/l	99
6) Chloroethane	2.90	64	27789	19.140	ug/l	94
7) Trichlorofluoromethane	3.25	101	22347	20.486	ug/l	100
8) Diethyl Ether	3.67	74	27569	21.836	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	50616	20.929	ug/l	98
10) Methyl Iodide	4.27	142	79289	20.301	ug/l	98
11) Tert butyl alcohol	5.16	59	36713	212.376	ug/l #	88
12) 1,1-Dichloroethene	4.04	96	52925	20.713	ug/l	92
13) Acrolein	3.89	56	23763	119.179	ug/l	97
14) Allyl chloride	4.66	41	78923	20.879	ug/l	98
15) Acrylonitrile	5.35	53	76665	134.322	ug/l	98
16) Acetone	4.11	43	70641	111.196	ug/l	97
17) Carbon Disulfide	4.38	76	148367	20.814	ug/l	100
18) Methyl Acetate	4.67	43	38402	25.827	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	87736	23.329	ug/l	94
20) Methylene Chloride	4.92	84	58235	20.917	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	54662	20.088	ug/l	97
22) Diisopropyl ether	6.30	45	156077	21.381	ug/l	95
23) Vinyl Acetate	6.25	43	523841	119.592	ug/l	98
24) 1,1-Dichloroethane	6.21	63	91064	20.481	ug/l	99
25) 2-Butanone	7.17	43	106402	130.893	ug/l	99
26) 2,2-Dichloropropane	7.16	77	60692	22.686	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	59385	20.849	ug/l	99
28) Bromochloromethane	7.51	49	31728	19.736	ug/l	96
29) Tetrahydrofuran	7.52	42	66495	144.878	ug/l	99
30) Chloroform	7.67	83	89923	20.626	ug/l	97
31) Cyclohexane	7.95	56	97521	20.567	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	72429	21.205	ug/l	99
36) 1,1-Dichloropropene	8.08	75	76823	20.908	ug/l	99
37) Ethyl Acetate	7.25	43	43847	27.107	ug/l #	97
38) Carbon Tetrachloride	8.07	117	67976	21.357	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	99746	20.613	ug/l	98
40) Benzene	8.32	78	217519	20.913	ug/l	98
41) Methacrylonitrile	7.48	41	22894	23.415	ug/l	93
42) 1,2-Dichloroethane	8.40	62	58900	22.033	ug/l	99
43) Isopropyl Acetate	8.42	43	77785	25.486	ug/l	98
44) Trichloroethene	9.09	130	61003	20.827	ug/l	98
45) 1,2-Dichloropropane	9.37	63	53231	21.315	ug/l	99
46) Dibromomethane	9.45	93	27546	22.145	ug/l	96
47) Bromodichloromethane	9.64	83	66427	21.693	ug/l	100
48) Methyl methacrylate	9.43	41	35101	23.935	ug/l	94
49) 1,4-Dioxane	9.45	88	11965	615.729	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	213847	133.357	ug/l	97
52) Toluene	10.38	92	141490	21.090	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	73291	23.010	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	83959	21.741	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	42791	23.060	ug/l	97
56) Ethyl methacrylate	10.65	69	61354	24.565	ug/l	95
57) 1,3-Dichloropropane	10.93	76	74089	22.967	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	139338	135.809	ug/l	97
59) 2-Hexanone	10.97	43	151852	136.622	ug/l	99
60) Dibromochloromethane	11.13	129	48001	22.611	ug/l	98
61) 1,2-Dibromoethane	11.24	107	41277	23.020	ug/l	97
64) Tetrachloroethene	10.86	164	53906	20.573	ug/l	99
65) Chlorobenzene	11.66	112	148214	21.006	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	51259	21.330	ug/l	99
67) Ethyl Benzene	11.73	91	268869	21.261	ug/l	100
68) m/p-Xylenes	11.83	106	205199	42.039	ug/l	100
69) o-Xylene	12.16	106	95921	21.254	ug/l	97
70) Styrene	12.18	104	164640	21.341	ug/l	99
71) Bromoform	12.35	173	32196	24.710	ug/l #	98
73) Isopropylbenzene	12.46	105	264669	20.323	ug/l	99
74) N-amyl acetate	12.27	43	70895	25.579	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	52897	23.997	ug/l	98
76) 1,2,3-Trichloropropane	12.76	75	49085m	31.019	ug/l	
77) Bromobenzene	12.74	156	63607	20.340	ug/l	98
78) n-propylbenzene	12.80	91	309694	20.673	ug/l	99
79) 2-Chlorotoluene	12.89	91	171571	20.620	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	223360	20.646	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	18555	27.041	ug/l	94
82) 4-Chlorotoluene	12.99	91	180733	20.735	ug/l	98
83) tert-Butylbenzene	13.20	119	198541	21.011	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	221455	20.591	ug/l	99
85) sec-Butylbenzene	13.38	105	272468	20.913	ug/l	99
86) p-Isopropyltoluene	13.50	119	255004	21.120	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	124666	21.190	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	120583	20.470	ug/l	98
89) n-Butylbenzene	13.82	91	230378	21.164	ug/l	100
90) Hexachloroethane	14.09	117	43482	21.798	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	110640	21.273	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9094	27.582	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	78084	20.920	ug/l	97
94) Hexachlorobutadiene	15.24	225	49976	20.612	ug/l	97
95) Naphthalene	15.36	128	152805	24.269	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	70856	21.743	ug/l	99

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

