

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW013011.D
 Acq On : 15 Sep 2019 00:33
 Operator : SY/VA
 Sample : VW0915SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:14:45 AM

Quant Time: Sep 16 07:59:50 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	266027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	393278	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	356594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	183823	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135459	55.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.26%	
35) Dibromofluoromethane	7.88	113	110857	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
50) Toluene-d8	10.32	98	463453	55.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.00%	
62) 4-Bromofluorobenzene	12.62	95	170043	56.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	26241	23.387	ug/l	95
3) Chloromethane	2.21	50	35431	25.277	ug/l	100
4) Vinyl Chloride	2.36	62	43771	22.987	ug/l	94
5) Bromomethane	2.77	94	24943	21.450	ug/l	96
6) Chloroethane	2.91	64	26449	22.648	ug/l	95
7) Trichlorofluoromethane	3.25	101	24355	18.291	ug/l	99
8) Diethyl Ether	3.67	74	22471	21.613	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43450	21.515	ug/l	97
10) Methyl Iodide	4.26	142	56353	22.297	ug/l	99
11) Tert butyl alcohol	5.20	59	21242	116.651	ug/l #	93
12) 1,1-Dichloroethene	4.04	96	41038	22.349	ug/l	96
13) Acrolein	3.89	56	19200	101.851	ug/l	99
14) Allyl chloride	4.67	41	72901	20.912	ug/l	99
15) Acrylonitrile	5.37	53	63376	119.345	ug/l	99
16) Acetone	4.13	43	55204	91.124	ug/l	96
17) Carbon Disulfide	4.39	76	81632	22.308	ug/l	100
18) Methyl Acetate	4.67	43	39327	28.095	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	80519	22.214	ug/l	98
20) Methylene Chloride	4.92	84	49860	22.240	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	43152	21.941	ug/l	89
22) Diisopropyl ether	6.31	45	160426	22.152	ug/l	99
23) Vinyl Acetate	6.25	43	464292	107.041	ug/l	99
24) 1,1-Dichloroethane	6.21	63	88233	21.131	ug/l	99
25) 2-Butanone	7.17	43	89463	114.512	ug/l	98
26) 2,2-Dichloropropane	7.16	77	52102	16.781	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	51015	21.666	ug/l	97
28) Bromochloromethane	7.51	49	36340	20.677	ug/l	97
29) Tetrahydrofuran	7.53	42	57483	129.134	ug/l	97
30) Chloroform	7.67	83	89250	21.036	ug/l	97
31) Cyclohexane	7.95	56	76161	21.910	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	72941	20.877	ug/l	96
36) 1,1-Dichloropropene	8.08	75	65013	20.687	ug/l	99
37) Ethyl Acetate	7.24	43	38297	22.959	ug/l	97
38) Carbon Tetrachloride	8.06	117	64389	19.993	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	72937	21.180	ug/l	99
40) Benzene	8.32	78	183725	20.942	ug/l	99
41) Methacrylonitrile	7.48	41	24800	22.577	ug/l	96
42) 1,2-Dichloroethane	8.40	62	62541	21.266	ug/l	99
43) Isopropyl Acetate	8.42	43	74539	23.273	ug/l	99
44) Trichloroethene	9.09	130	50699	21.098	ug/l	85
45) 1,2-Dichloropropane	9.37	63	49256	21.132	ug/l	100
46) Dibromomethane	9.45	93	24607	22.035	ug/l	98
47) Bromodichloromethane	9.64	83	64941	20.732	ug/l	97
48) Methyl methacrylate	9.43	41	35396	23.549	ug/l	98
49) 1,4-Dioxane	9.46	88	8874	474.235	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	205059	124.014	ug/l	98
52) Toluene	10.38	92	121715	21.833	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	64458	20.461	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	74066	20.548	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	38461	22.608	ug/l	99
56) Ethyl methacrylate	10.65	69	52376	22.873	ug/l	99
57) 1,3-Dichloropropane	10.93	76	68257	22.618	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	136254	110.923	ug/l	99
59) 2-Hexanone	10.97	43	138035	119.889	ug/l	99
60) Dibromochloromethane	11.13	129	43941	21.364	ug/l	96
61) 1,2-Dibromoethane	11.23	107	35975	23.181	ug/l	99
64) Tetrachloroethene	10.86	164	47507	22.394	ug/l	96
65) Chlorobenzene	11.65	112	128777	20.274	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	48361	19.868	ug/l	97
67) Ethyl Benzene	11.73	91	239035	20.376	ug/l	98
68) m/p-Xylenes	11.84	106	178519	41.657	ug/l	99
69) o-Xylene	12.16	106	83665	20.824	ug/l	97
70) Styrene	12.18	104	149480	20.915	ug/l	98
71) Bromoform	12.35	173	26821	20.978	ug/l	99
73) Isopropylbenzene	12.46	105	242827	19.930	ug/l	99
74) N-amyl acetate	12.27	43	68750	21.935	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	48922	22.861	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	38843m	24.124	ug/l	
77) Bromobenzene	12.74	156	57255	20.398	ug/l	99
78) n-propylbenzene	12.80	91	282674	19.723	ug/l	99
79) 2-Chlorotoluene	12.89	91	167959	20.386	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	207241	20.105	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14109	19.878	ug/l	99
82) 4-Chlorotoluene	12.99	91	174619	20.087	ug/l	99
83) tert-Butylbenzene	13.21	119	184400	20.000	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	204690	20.095	ug/l	99
85) sec-Butylbenzene	13.38	105	253639	20.191	ug/l	99
86) p-Isopropyltoluene	13.49	119	228448	19.808	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	108333	19.496	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	108960	19.954	ug/l	98
89) n-Butylbenzene	13.82	91	212103	19.501	ug/l	100
90) Hexachloroethane	14.09	117	38862	18.803	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	100420	20.550	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	9064	23.139	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	68592	19.683	ug/l	98
94) Hexachlorobutadiene	15.23	225	49016	19.868	ug/l	98
95) Naphthalene	15.36	128	126649	21.750	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	62509	20.291	ug/l	99

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

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