

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092019\
 Data File : VW013199.D
 Acq On : 20 Sep 2019 23:10
 Operator : SY/VA
 Sample : VW0920SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0920SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/24/2019 5:29:00 AM

Quant Time: Sep 21 05:39:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	305634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	420425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	365231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	187014	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	124526	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
35) Dibromofluoromethane	7.88	113	117069	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	10.32	98	494820	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.62	95	167334	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	33979	19.273	ug/l	98
3) Chloromethane	2.20	50	44413	19.597	ug/l	98
4) Vinyl Chloride	2.35	62	57856	19.802	ug/l	98
5) Bromomethane	2.76	94	34368	18.562	ug/l	99
6) Chloroethane	2.90	64	31622	18.361	ug/l	99
7) Trichlorofluoromethane	3.25	101	27526	16.338	ug/l	93
8) Diethyl Ether	3.67	74	28511	19.813	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	55846	20.360	ug/l	99
10) Methyl Iodide	4.26	142	74714	17.569	ug/l	99
11) Tert butyl alcohol	5.19	59	37573m	207.529	ug/l	
12) 1,1-Dichloroethene	4.04	96	54268	19.106	ug/l	94
13) Acrolein	3.89	56	15801	110.041	ug/l	92
14) Allyl chloride	4.66	41	82500	18.251	ug/l	99
15) Acrylonitrile	5.37	53	77105	124.140	ug/l	100
16) Acetone	4.12	43	60833	108.144	ug/l	98
17) Carbon Disulfide	4.38	76	151999	18.515	ug/l	99
18) Methyl Acetate	4.67	43	42519	26.890	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	87779	20.165	ug/l	98
20) Methylene Chloride	4.90	84	58337	18.444	ug/l	94
21) trans-1,2-Dichloroethene	5.41	96	56687	18.466	ug/l	95
22) Diisopropyl ether	6.31	45	161472	18.785	ug/l	97
23) Vinyl Acetate	6.25	43	519008	101.776	ug/l	100
24) 1,1-Dichloroethane	6.21	63	98242	18.940	ug/l	98
25) 2-Butanone	7.17	43	101837	120.598	ug/l	97
26) 2,2-Dichloropropane	7.16	77	60644	17.366	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	60830	18.776	ug/l	98
28) Bromochloromethane	7.51	49	33669	16.913	ug/l #	98
29) Tetrahydrofuran	7.53	42	66755	128.905	ug/l	100
30) Chloroform	7.67	83	94256	18.561	ug/l	99
31) Cyclohexane	7.95	56	109825	20.312	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	80626	19.603	ug/l	98
36) 1,1-Dichloropropene	8.08	75	85433	20.980	ug/l	99
37) Ethyl Acetate	7.25	43	44822	25.899	ug/l	99
38) Carbon Tetrachloride	8.07	117	76103	20.848	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	111110	21.232	ug/l	98
40) Benzene	8.32	78	227411	20.022	ug/l	99
41) Methacrylonitrile	7.48	41	22952	22.221	ug/l	90
42) 1,2-Dichloroethane	8.40	62	63766	20.884	ug/l	100
43) Isopropyl Acetate	8.42	43	78346	23.620	ug/l	96
44) Trichloroethene	9.09	130	63439	19.907	ug/l	100
45) 1,2-Dichloropropane	9.37	63	53834	19.413	ug/l	98
46) Dibromomethane	9.46	93	28662	21.289	ug/l	98
47) Bromodichloromethane	9.64	83	65870	19.228	ug/l	96
48) Methyl methacrylate	9.43	41	39982	25.634	ug/l	92
49) 1,4-Dioxane	9.46	88	12046	596.072	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	215828	129.793	ug/l	99
52) Toluene	10.38	92	145412	19.976	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	68050	19.335	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	81720	19.096	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	42978	21.358	ug/l	96
56) Ethyl methacrylate	10.65	69	59398	22.554	ug/l	97
57) 1,3-Dichloropropane	10.93	76	74888	21.326	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	141946	116.427	ug/l	100
59) 2-Hexanone	10.97	43	146963	128.459	ug/l	99
60) Dibromochloromethane	11.13	129	46922	20.535	ug/l	98
61) 1,2-Dibromoethane	11.23	107	41444	21.661	ug/l	99
64) Tetrachloroethene	10.86	164	60117	21.694	ug/l	99
65) Chlorobenzene	11.65	112	149574	19.612	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	50161	19.252	ug/l	98
67) Ethyl Benzene	11.73	91	276653	20.020	ug/l	100
68) m/p-Xylenes	11.83	106	211503	40.165	ug/l	99
69) o-Xylene	12.16	106	95815	19.571	ug/l	100
70) Styrene	12.18	104	167667	19.948	ug/l	99
71) Bromoform	12.35	173	28919	21.009	ug/l #	96
73) Isopropylbenzene	12.46	105	281610	20.384	ug/l	100
74) N-amyl acetate	12.27	43	67438	21.999	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	51750	22.398	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	40455m	24.495	ug/l	
77) Bromobenzene	12.74	156	63493	19.395	ug/l	95
78) n-propylbenzene	12.80	91	318297	19.683	ug/l	99
79) 2-Chlorotoluene	12.89	91	182400	20.134	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	233425	20.101	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15579	21.166	ug/l	93
82) 4-Chlorotoluene	12.99	91	182740	19.128	ug/l	98
83) tert-Butylbenzene	13.21	119	204570	20.070	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	228405	19.765	ug/l	97
85) sec-Butylbenzene	13.38	105	288055	20.498	ug/l	100
86) p-Isopropyltoluene	13.50	119	264597	20.301	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	122202	19.395	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	122898	19.889	ug/l	99
89) n-Butylbenzene	13.82	91	234748	19.725	ug/l	99
90) Hexachloroethane	14.09	117	43359	19.802	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	109256	20.044	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	9072	25.671	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	75170	19.245	ug/l	99
94) Hexachlorobutadiene	15.23	225	51749	19.366	ug/l	96
95) Naphthalene	15.36	128	139120	21.778	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	65645	19.451	ug/l	98

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

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