

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091819\
 Data File : VW013132.D
 Acq On : 19 Sep 2019 01:05
 Operator : SY/VA
 Sample : VW0918SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/19/2019 11:21:49 AM

Quant Time: Sep 19 09:31:13 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	330126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	502606	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	431407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	215137	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	131172	43.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.04%	
35) Dibromofluoromethane	7.88	113	127842	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
50) Toluene-d8	10.32	98	531857	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.62	95	180740	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	27887	19.322	ug/l	95
3) Chloromethane	2.21	50	37515	20.778	ug/l	97
4) Vinyl Chloride	2.36	62	47873	20.260	ug/l	92
5) Bromomethane	2.77	94	30089	20.852	ug/l	98
6) Chloroethane	2.92	64	30289	20.900	ug/l	97
7) Trichlorofluoromethane	3.25	101	26340	15.941	ug/l	100
8) Diethyl Ether	3.68	74	29458	22.831	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	52383	20.902	ug/l	98
10) Methyl Iodide	4.27	142	73967	23.583	ug/l	94
11) Tert butyl alcohol	5.18	59	22553	96.420	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	50761	22.276	ug/l	88
13) Acrolein	3.89	56	15192	62.329	ug/l	98
14) Allyl chloride	4.67	41	87556	20.239	ug/l	92
15) Acrylonitrile	5.36	53	68992	104.695	ug/l	99
16) Acetone	4.13	43	59414	76.217	ug/l	92
17) Carbon Disulfide	4.38	76	95733	21.082	ug/l	99
18) Methyl Acetate	4.67	43	46131	26.557	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	95118	21.146	ug/l	93
20) Methylene Chloride	4.92	84	62745	22.634	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	55413	22.705	ug/l	93
22) Diisopropyl ether	6.31	45	187813	20.898	ug/l	98
23) Vinyl Acetate	6.25	43	488095	90.679	ug/l	96
24) 1,1-Dichloroethane	6.21	63	109424	21.118	ug/l	98
25) 2-Butanone	7.17	43	89173	91.979	ug/l	97
26) 2,2-Dichloropropane	7.17	77	64024	16.570	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	65974	22.579	ug/l	93
28) Bromochloromethane	7.51	49	41195	18.889	ug/l	92
29) Tetrahydrofuran	7.53	42	56914	103.030	ug/l	95
30) Chloroform	7.68	83	109991	20.891	ug/l	94
31) Cyclohexane	7.95	56	90493	20.781	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	83195	19.188	ug/l	96
36) 1,1-Dichloropropene	8.08	75	79950	19.907	ug/l	97
37) Ethyl Acetate	7.25	43	39885	18.710	ug/l	97
38) Carbon Tetrachloride	8.06	117	74563	18.116	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	92015	20.908	ug/l	94
40) Benzene	8.32	78	242013	21.585	ug/l	100
41) Methacrylonitrile	7.48	41	24061	17.139	ug/l	92
42) 1,2-Dichloroethane	8.40	62	67931	18.074	ug/l	95
43) Isopropyl Acetate	8.42	43	73433	17.941	ug/l	94
44) Trichloroethene	9.09	130	66502	21.654	ug/l	84
45) 1,2-Dichloropropane	9.37	63	62937	21.128	ug/l	97
46) Dibromomethane	9.46	93	29169	20.438	ug/l	96
47) Bromodichloromethane	9.64	83	77853	19.448	ug/l	99
48) Methyl methacrylate	9.43	41	35012	18.226	ug/l	91
49) 1,4-Dioxane	9.46	88	9262	387.303	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	198123	93.756	ug/l	94
52) Toluene	10.38	92	155194	21.783	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	74849	18.591	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	89882	19.511	ug/l	91
55) 1,1,2-Trichloroethane	10.79	97	47086	21.657	ug/l	97
56) Ethyl methacrylate	10.65	69	61105	20.880	ug/l #	88
57) 1,3-Dichloropropane	10.93	76	82553	21.405	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	156408	99.633	ug/l	97
59) 2-Hexanone	10.97	43	131194	89.161	ug/l	95
60) Dibromochloromethane	11.13	129	52307	19.900	ug/l	100
61) 1,2-Dibromoethane	11.23	107	42319	21.337	ug/l	99
64) Tetrachloroethene	10.86	164	59921	23.348	ug/l	96
65) Chlorobenzene	11.66	112	166047	21.608	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	60121	20.416	ug/l	98
67) Ethyl Benzene	11.73	91	297538	20.965	ug/l	98
68) m/p-Xylenes	11.84	106	224713	43.343	ug/l	95
69) o-Xylene	12.16	106	108415	22.305	ug/l	93
70) Styrene	12.18	104	188303	21.778	ug/l	95
71) Bromoform	12.35	173	30459	19.692	ug/l #	99
73) Isopropylbenzene	12.46	105	301893	21.171	ug/l	100
74) N-amyl acetate	12.27	43	63476	17.304	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	53695	21.439	ug/l	97
76) 1,2,3-Trichloropropane	12.76	75	41583m	22.067	ug/l	
77) Bromobenzene	12.74	156	70247	21.383	ug/l	96
78) n-propylbenzene	12.80	91	345878	20.620	ug/l	98
79) 2-Chlorotoluene	12.89	91	201891	20.937	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	250023	20.725	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.51	75	15244	18.351	ug/l	89
82) 4-Chlorotoluene	12.99	91	209187	20.561	ug/l	98
83) tert-Butylbenzene	13.20	119	226833	21.021	ug/l	96
84) 1,2,4-Trimethylbenzene	13.25	105	254133	21.318	ug/l	99
85) sec-Butylbenzene	13.38	105	305888	20.806	ug/l	100
86) p-Isopropyltoluene	13.50	119	286921	21.257	ug/l	97
87) 1,3-Dichlorobenzene	13.50	146	137793	21.189	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	137181	21.466	ug/l	99
89) n-Butylbenzene	13.82	91	250665	19.692	ug/l	98
90) Hexachloroethane	14.09	117	47638	19.694	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	122956	21.500	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8200	17.887	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	85065	20.857	ug/l	98
94) Hexachlorobutadiene	15.24	225	57215	19.816	ug/l	97
95) Naphthalene	15.36	128	148171	21.743	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	74972	20.795	ug/l	99

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

