

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031020\
 Data File : VW015109.D
 Acq On : 10 Mar 2020 13:17
 Operator : SY/VA
 Sample : VW0310SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0310SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:22:09 PM

Quant Time: Mar 11 09:09:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 09 18:51:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	410448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	770405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	690906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	311575	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	318530	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	
35) Dibromofluoromethane	7.88	113	244027	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
50) Toluene-d8	10.32	98	1049452	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	
62) 4-Bromofluorobenzene	12.62	95	348418	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	52528	21.106	ug/l	99
3) Chloromethane	2.21	50	117713	22.040	ug/l	98
4) Vinyl Chloride	2.36	62	154942	22.160	ug/l	99
5) Bromomethane	2.78	94	85934	21.501	ug/l	95
6) Chloroethane	2.92	64	87860	21.694	ug/l	98
7) Trichlorofluoromethane	3.26	101	82878	23.686	ug/l	96
8) Diethyl Ether	3.68	74	54657	20.500	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.07	101	118156	22.152	ug/l	99
10) Methyl Iodide	4.27	142	132343	22.302	ug/l	99
11) Tert butyl alcohol	5.16	59	37729	108.778	ug/l	100
12) 1,1-Dichloroethene	4.04	96	113988	21.858	ug/l	92
13) Acrolein	3.89	56	55748	109.900	ug/l	98
14) Allyl chloride	4.67	41	228061	21.822	ug/l	98
15) Acrylonitrile	5.37	53	139746	102.255	ug/l	99
16) Acetone	4.12	43	132327	96.142	ug/l	97
17) Carbon Disulfide	4.38	76	405550	21.934	ug/l	99
18) Methyl Acetate	4.67	43	66123	20.266	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	146353	21.922	ug/l	96
20) Methylene Chloride	4.91	84	136996	22.216	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	123365	22.280	ug/l	97
22) Diisopropyl ether	6.31	45	468160	23.346	ug/l	98
23) Vinyl Acetate	6.25	43	1258217	106.290	ug/l	99
24) 1,1-Dichloroethane	6.21	63	260866	22.308	ug/l	99
25) 2-Butanone	7.16	43	187480	99.361	ug/l	99
26) 2,2-Dichloropropane	7.16	77	154013	23.028	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	128103	22.223	ug/l	97
28) Bromochloromethane	7.51	49	115349	20.586	ug/l	98
29) Tetrahydrofuran	7.52	42	119035	100.858	ug/l	97
30) Chloroform	7.67	83	231302	22.289	ug/l	98
31) Cyclohexane	7.95	56	266372	22.148	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	184371	22.754	ug/l	98
36) 1,1-Dichloropropene	8.08	75	199943	22.379	ug/l	99
37) Ethyl Acetate	7.25	43	88169	19.801	ug/l	100
38) Carbon Tetrachloride	8.07	117	158136	21.743	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	223848	21.913	ug/l	98
40) Benzene	8.32	78	559708	22.543	ug/l	100
41) Methacrylonitrile	7.48	41	50272	21.348	ug/l	92
42) 1,2-Dichloroethane	8.40	62	165019	21.816	ug/l	99
43) Isopropyl Acetate	8.42	43	162649	20.375	ug/l	99
44) Trichloroethene	9.09	130	114348	21.636	ug/l	99
45) 1,2-Dichloropropane	9.37	63	148489	22.207	ug/l	99
46) Dibromomethane	9.46	93	60997	20.980	ug/l	99
47) Bromodichloromethane	9.64	83	168318	21.684	ug/l	99
48) Methyl methacrylate	9.43	41	72666	19.392	ug/l	100
49) 1,4-Dioxane	9.45	88	17389	390.645	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	417851	94.767	ug/l	97
52) Toluene	10.38	92	318641	22.340	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	156634	20.511	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	198950	21.387	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	84586	21.232	ug/l	98
56) Ethyl methacrylate	10.65	69	99557	18.665	ug/l	96
57) 1,3-Dichloropropane	10.93	76	160235	21.126	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	296783	98.399	ug/l	100
59) 2-Hexanone	10.97	43	265365	90.464	ug/l	98
60) Dibromochloromethane	11.13	129	85177	20.701	ug/l	100
61) 1,2-Dibromoethane	11.23	107	72088	20.411	ug/l	99
64) Tetrachloroethene	10.86	164	84262	21.133	ug/l	94
65) Chlorobenzene	11.66	112	303256	21.868	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	98469	21.323	ug/l	99
67) Ethyl Benzene	11.73	91	596159	22.092	ug/l	99
68) m/p-Xylenes	11.83	106	423691	44.413	ug/l	99
69) o-Xylene	12.16	106	183527	21.356	ug/l	95
70) Styrene	12.18	104	321408	21.828	ug/l	100
71) Bromoform	12.35	173	40136	19.584	ug/l #	100
73) Isopropylbenzene	12.46	105	528065	22.187	ug/l	100
74) N-amyl acetate	12.27	43	141678	19.700	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	99106	20.506	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	65327m	18.551	ug/l	
77) Bromobenzene	12.74	156	102435	21.775	ug/l	99
78) n-propylbenzene	12.80	91	711157	22.992	ug/l	100
79) 2-Chlorotoluene	12.89	91	391188	22.494	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	463303	22.640	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	29338	18.818	ug/l	90
82) 4-Chlorotoluene	12.99	91	416138	22.469	ug/l	99
83) tert-Butylbenzene	13.21	119	370121	22.325	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	466938	22.820	ug/l	99
85) sec-Butylbenzene	13.38	105	567967	22.637	ug/l	100
86) p-Isopropyltoluene	13.50	119	485324	22.503	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	217212	21.792	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	212103	21.611	ug/l	98
89) n-Butylbenzene	13.82	91	526980	22.657	ug/l	99
90) Hexachloroethane	14.09	117	92100	21.293	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	187948	21.530	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	15713	20.246	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	106453	21.310	ug/l	98
94) Hexachlorobutadiene	15.23	225	68216	21.749	ug/l	98
95) Naphthalene	15.36	128	170625	17.760	ug/l	98
96) 1,2,3-Trichlorobenzene	15.55	180	90109	20.337	ug/l	99

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

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