

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072019\
 Data File : VW011392.D
 Acq On : 19 Jul 2019 23:58
 Operator : SY/VA
 Sample : VW0720SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0720SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 9:21:47 AM

Quant Time: Jul 20 06:39:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	200421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	346911	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	311948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	150576	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	135779	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	
35) Dibromofluoromethane	7.88	113	107510	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
50) Toluene-d8	10.32	98	426264	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
62) 4-Bromofluorobenzene	12.62	95	156227	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	29760	19.910	ug/l	96
3) Chloromethane	2.21	50	46634	24.212	ug/l	96
4) Vinyl Chloride	2.36	62	52422	20.794	ug/l	98
5) Bromomethane	2.77	94	27191	21.465	ug/l	98
6) Chloroethane	2.92	64	29415	21.663	ug/l	98
7) Trichlorofluoromethane	3.25	101	19333	21.587	ug/l	100
8) Diethyl Ether	3.68	74	27201	21.951	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44027	20.524	ug/l	98
10) Methyl Iodide	4.27	142	62649	21.234	ug/l	99
11) Tert butyl alcohol	5.16	59	31044	166.499	ug/l #	91
12) 1,1-Dichloroethene	4.04	96	45508	20.439	ug/l	94
13) Acrolein	3.89	56	13822	93.096	ug/l	97
14) Allyl chloride	4.67	41	93366	22.996	ug/l	98
15) Acrylonitrile	5.37	53	73702	116.785	ug/l	98
16) Acetone	4.11	43	70771	116.794	ug/l	100
17) Carbon Disulfide	4.38	76	134222	19.885	ug/l	96
18) Methyl Acetate	4.67	43	53748	30.644	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	75489	22.345	ug/l	99
20) Methylene Chloride	4.92	84	57533	24.068	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	50482	21.820	ug/l	94
22) Diisopropyl ether	6.31	45	200171	22.923	ug/l	97
23) Vinyl Acetate	6.25	43	557530	103.165	ug/l	99
24) 1,1-Dichloroethane	6.21	63	101495	22.134	ug/l	99
25) 2-Butanone	7.16	43	109996	115.642	ug/l	95
26) 2,2-Dichloropropane	7.16	77	52749	22.130	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	55700	22.319	ug/l	99
28) Bromochloromethane	7.51	49	48227	23.130	ug/l #	23
29) Tetrahydrofuran	7.52	42	70155	112.483	ug/l	99
30) Chloroform	7.68	83	94650	22.288	ug/l	99
31) Cyclohexane	7.95	56	95875	19.653	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	70831	21.926	ug/l	98
36) 1,1-Dichloropropene	8.08	75	73393	19.867	ug/l	99
37) Ethyl Acetate	7.25	43	48989	22.071	ug/l	99
38) Carbon Tetrachloride	8.07	117	62227	19.870	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	85426	19.078	ug/l	98
40) Benzene	8.32	78	214995	21.058	ug/l	99
41) Methacrylonitrile	7.48	41	32610	25.688	ug/l #	84
42) 1,2-Dichloroethane	8.40	62	71033	21.448	ug/l	99
43) Isopropyl Acetate	8.42	43	88001	21.000	ug/l	99
44) Trichloroethene	9.09	130	49506	20.150	ug/l	95
45) 1,2-Dichloropropane	9.37	63	59605	21.559	ug/l	100
46) Dibromomethane	9.46	93	27791	21.399	ug/l	99
47) Bromodichloromethane	9.64	83	70404	21.187	ug/l	98
48) Methyl methacrylate	9.43	41	41217	20.444	ug/l	97
49) 1,4-Dioxane	9.44	88	9977	460.237	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	238191	108.809	ug/l	100
52) Toluene	10.39	92	129812	20.960	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	68758	19.439	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	82344	19.778	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	39231	21.293	ug/l	98
56) Ethyl methacrylate	10.65	69	58088	20.708	ug/l	98
57) 1,3-Dichloropropane	10.93	76	74025	21.247	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	75943	58.398	ug/l	99
59) 2-Hexanone	10.97	43	161794	106.575	ug/l	99
60) Dibromochloromethane	11.13	129	40819	20.204	ug/l	100
61) 1,2-Dibromoethane	11.23	107	36840	21.109	ug/l	99
64) Tetrachloroethene	10.86	164	44528	21.154	ug/l	96
65) Chlorobenzene	11.66	112	130833	20.629	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	46202	20.690	ug/l	99
67) Ethyl Benzene	11.73	91	247004	20.344	ug/l	100
68) m/p-Xylenes	11.84	106	176730	40.228	ug/l	98
69) o-Xylene	12.16	106	83771	20.231	ug/l	99
70) Styrene	12.18	104	147549	20.647	ug/l	100
71) Bromoform	12.35	173	24081	20.282	ug/l #	97
73) Isopropylbenzene	12.46	105	228915	20.337	ug/l	100
74) N-amyl acetate	12.27	43	81711	20.843	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	49108	21.283	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	41420m	23.803	ug/l	
77) Bromobenzene	12.75	156	52420	20.752	ug/l	99
78) n-propylbenzene	12.80	91	280948	20.262	ug/l	100
79) 2-Chlorotoluene	12.89	91	163867	20.537	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	194984	20.390	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12306	15.996	ug/l	94
82) 4-Chlorotoluene	12.99	91	172921	20.807	ug/l	100
83) tert-Butylbenzene	13.21	119	164541	20.632	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	197119	20.529	ug/l	100
85) sec-Butylbenzene	13.38	105	233528	20.293	ug/l	99
86) p-Isopropyltoluene	13.50	119	206876	20.043	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	101285	20.840	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	101879	20.817	ug/l	98
89) n-Butylbenzene	13.82	91	202533	19.670	ug/l	100
90) Hexachloroethane	14.10	117	37460	19.861	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	93303	21.161	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8746	21.370	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	62575	20.605	ug/l	98
94) Hexachlorobutadiene	15.24	225	38755	20.786	ug/l	99
95) Naphthalene	15.37	128	120163	20.648	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	56294	21.003	ug/l	99

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

