

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011156.D
 Acq On : 08 Jul 2019 11:07
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 4:12:41 PM

Quant Time: Jul 09 05:55:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 05:44:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	237755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	395155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	347347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	172038	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	31411	10.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.02%	
35) Dibromofluoromethane	7.88	113	24077	10.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.44%	
50) Toluene-d8	10.32	98	96355	10.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.24%	
62) 4-Bromofluorobenzene	12.62	95	35089	10.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	18403	10.378	ug/l	97
3) Chloromethane	2.21	50	22911	10.027	ug/l	98
4) Vinyl Chloride	2.35	62	31956	10.686	ug/l	96
5) Bromomethane	2.78	94	15926	10.598	ug/l	93
6) Chloroethane	2.92	64	16211	10.064	ug/l	93
7) Trichlorofluoromethane	3.24	101	9907	9.325	ug/l	93
8) Diethyl Ether	3.67	74	14777	10.053	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	26551	10.434	ug/l	96
10) Methyl Iodide	4.28	142	34025	9.721	ug/l	96
11) Tert butyl alcohol	5.17	59	11645	52.649	ug/l	97
12) 1,1-Dichloroethene	4.04	96	25969	9.832	ug/l	98
13) Acrolein	3.89	56	8694	49.362	ug/l	99
14) Allyl chloride	4.66	41	47570	9.877	ug/l	100
15) Acrylonitrile	5.36	53	38360	51.239	ug/l	99
16) Acetone	4.12	43	36938	51.387	ug/l	95
17) Carbon Disulfide	4.38	76	78586	9.814	ug/l	99
18) Methyl Acetate	4.67	43	23060	10.258	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	41204	10.281	ug/l	99
20) Methylene Chloride	4.91	84	29203	10.298	ug/l	90
21) trans-1,2-Dichloroethene	5.42	96	27162	9.897	ug/l	92
22) Diisopropyl ether	6.31	45	104666	10.104	ug/l	93
23) Vinyl Acetate	6.25	43	310533	48.438	ug/l	99
24) 1,1-Dichloroethane	6.21	63	53464	9.828	ug/l	99
25) 2-Butanone	7.17	43	57205	50.697	ug/l	97
26) 2,2-Dichloropropane	7.16	77	28697	10.149	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	29540	9.978	ug/l	98
28) Bromochloromethane	7.51	49	24805	10.029	ug/l	100
29) Tetrahydrofuran	7.52	42	38269	51.724	ug/l	99
30) Chloroform	7.67	83	50956	10.115	ug/l	99
31) Cyclohexane	7.95	56	60297	10.419	ug/l	# 88
32) 1,1,1-Trichloroethane	7.87	97	37614	9.815	ug/l	99
36) 1,1-Dichloropropene	8.08	75	41788	9.931	ug/l	99
37) Ethyl Acetate	7.25	43	25644	10.143	ug/l	99
38) Carbon Tetrachloride	8.07	117	34987	9.808	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	50369	9.876	ug/l	99
40) Benzene	8.32	78	116269	9.998	ug/l	100
41) Methacrylonitrile	7.48	41	12667	8.760	ug/l	93
42) 1,2-Dichloroethane	8.40	62	37903	10.047	ug/l	100
43) Isopropyl Acetate	8.42	43	47688	9.990	ug/l	100
44) Trichloroethene	9.09	130	27916	9.975	ug/l	99
45) 1,2-Dichloropropane	9.37	63	30674	9.740	ug/l	98
46) Dibromomethane	9.46	93	14826	10.022	ug/l	99
47) Bromodichloromethane	9.64	83	36497	9.642	ug/l	99
48) Methyl methacrylate	9.43	41	21960	9.563	ug/l	99
49) 1,4-Dioxane	9.44	88	4908	198.764	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	124966	50.117	ug/l	100
52) Toluene	10.38	92	69451	9.845	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	38236	9.490	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	45525	9.600	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	21160	10.083	ug/l	96
56) Ethyl methacrylate	10.65	69	30968	9.692	ug/l	99
57) 1,3-Dichloropropane	10.93	76	39394	9.926	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	75526	50.987	ug/l	99
59) 2-Hexanone	10.97	43	85750	49.588	ug/l	100
60) Dibromochloromethane	11.13	129	22442	9.752	ug/l	98
61) 1,2-Dibromoethane	11.24	107	20083	10.103	ug/l	99
64) Tetrachloroethene	10.86	164	23716	10.118	ug/l	97
65) Chlorobenzene	11.66	112	70397	9.968	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	24247	9.751	ug/l	99
67) Ethyl Benzene	11.73	91	134841	9.974	ug/l	98
68) m/p-Xylenes	11.84	106	96899	19.809	ug/l	100
69) o-Xylene	12.16	106	45241	9.812	ug/l	99
70) Styrene	12.18	104	77572	9.749	ug/l	98
71) Bromoform	12.35	173	12744	9.640	ug/l #	96
73) Isopropylbenzene	12.46	105	123713	9.620	ug/l	100
74) N-amyl acetate	12.27	43	42691	9.531	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	26436	10.028	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	22463m	11.268	ug/l	
77) Bromobenzene	12.75	156	28323	9.814	ug/l	99
78) n-propylbenzene	12.80	91	154792	9.771	ug/l	99
79) 2-Chlorotoluene	12.90	91	89261	9.791	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	107029	9.796	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	8054	9.163	ug/l	95
82) 4-Chlorotoluene	12.99	91	94627	9.966	ug/l	99
83) tert-Butylbenzene	13.21	119	88925	9.759	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	107370	9.787	ug/l	99
85) sec-Butylbenzene	13.38	105	129042	9.815	ug/l	99
86) p-Isopropyltoluene	13.50	119	114175	9.682	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	54253	9.770	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	55713	9.964	ug/l	96
89) n-Butylbenzene	13.82	91	114002	9.691	ug/l	100
90) Hexachloroethane	14.10	117	20580	9.550	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	50913	10.106	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4688	10.026	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	33793	9.739	ug/l	97
94) Hexachlorobutadiene	15.24	225	21686	10.180	ug/l	99
95) Naphthalene	15.37	128	62603	9.415	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	29781	9.725	ug/l	98

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

