

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030719\
 Data File : VW009036.D
 Acq On : 07 Mar 2019 13:03
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 12:06:48 PM

Quant Time: Mar 08 04:54:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 03:11:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	306909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	448551	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	439815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	242261	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	489870	155.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	311.44%	
35) Dibromofluoromethane	7.88	113	424907	157.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.12%	
50) Toluene-d8	10.32	98	1665032	148.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.64%	
62) 4-Bromofluorobenzene	12.62	95	654353	148.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	396681	128.433	ug/l	99
3) Chloromethane	2.21	50	552195	142.075	ug/l	99
4) Vinyl Chloride	2.35	62	582390	145.951	ug/l	99
5) Bromomethane	2.75	94	453896	133.569	ug/l	97
6) Chloroethane	2.90	64	416791	146.095	ug/l	100
7) Trichlorofluoromethane	3.25	101	746980	146.543	ug/l	97
8) Diethyl Ether	3.68	74	238028	154.830	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	459659	144.992	ug/l	99
10) Methyl Iodide	4.27	142	537138	178.309	ug/l	100
11) Tert butyl alcohol	5.18	59	167133m	760.469	ug/l	
12) 1,1-Dichloroethene	4.03	96	406863	147.435	ug/l	99
13) Acrolein	3.90	56	187383	712.203	ug/l	100
14) Allyl chloride	4.67	41	753278	157.423	ug/l	98
15) Acrylonitrile	5.37	53	523635	755.278	ug/l	99
16) Acetone	4.13	43	511811	727.952	ug/l	98
17) Carbon Disulfide	4.37	76	1363198	147.407	ug/l	99
18) Methyl Acetate	4.67	43	247203	152.973	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	1131389	155.500	ug/l	99
20) Methylene Chloride	4.92	84	450804	112.636	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	474192	148.761	ug/l	95
22) Diisopropyl ether	6.31	45	1531861	158.965	ug/l	100
23) Vinyl Acetate	6.26	43	4934069	821.438	ug/l	100
24) 1,1-Dichloroethane	6.21	63	855256	153.046	ug/l	99
25) 2-Butanone	7.17	43	741701	777.138	ug/l	100
26) 2,2-Dichloropropane	7.16	77	757339	148.325	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	518217	152.639	ug/l	97
28) Bromochloromethane	7.51	49	364279	157.506	ug/l	95
29) Tetrahydrofuran	7.52	42	494352	807.894	ug/l	98
30) Chloroform	7.68	83	881162	154.309	ug/l	98
31) Cyclohexane	7.95	56	779143	137.029	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	791046	150.426	ug/l	99
36) 1,1-Dichloropropene	8.08	75	658356	141.853	ug/l	98
37) Ethyl Acetate	7.25	43	324754	148.942	ug/l	100
38) Carbon Tetrachloride	8.07	117	701620	145.870	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	833780	149.996	ug/l	100
40) Benzene	8.32	78	1774573	143.803	ug/l	98
41) Methacrylonitrile	7.48	41	195000	169.706	ug/l	92
42) 1,2-Dichloroethane	8.40	62	614743	152.869	ug/l	99
43) Isopropyl Acetate	8.42	43	639618	156.823	ug/l	99
44) Trichloroethene	9.09	130	482917	139.189	ug/l	98
45) 1,2-Dichloropropane	9.37	63	447220	145.684	ug/l	100
46) Dibromomethane	9.46	93	260544	152.807	ug/l	99
47) Bromodichloromethane	9.64	83	646491	150.431	ug/l	99
48) Methyl methacrylate	9.43	41	308730	160.529	ug/l	94
49) 1,4-Dioxane	9.45	88	65860	2631.083	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	1633308	785.700	ug/l	100
52) Toluene	10.39	92	1249341	148.434	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	669267	156.604	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	743595	152.497	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	340936	147.560	ug/l	98
56) Ethyl methacrylate	10.65	69	474300	163.711	ug/l	97
57) 1,3-Dichloropropane	10.93	76	603385	147.104	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	1180793	784.396	ug/l	98
59) 2-Hexanone	10.97	43	1136948	774.692	ug/l	99
60) Dibromochloromethane	11.13	129	432925	152.507	ug/l	98
61) 1,2-Dibromoethane	11.24	107	334371	148.913	ug/l	99
64) Tetrachloroethene	10.86	164	445764	139.603	ug/l	96
65) Chlorobenzene	11.66	112	1356296	143.145	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	485302	153.630	ug/l	100
67) Ethyl Benzene	11.73	91	2582680	151.708	ug/l	99
68) m/p-Xylenes	11.84	106	2042232	303.534	ug/l	100
69) o-Xylene	12.17	106	969819	154.616	ug/l	99
70) Styrene	12.18	104	1630849	159.712	ug/l	99
71) Bromoform	12.35	173	274552	160.282	ug/l #	99
73) Isopropylbenzene	12.46	105	2702586	156.987	ug/l	99
74) N-amyl acetate	12.27	43	679041	165.007	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	406518	148.454	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	299681m	111.093	ug/l	
77) Bromobenzene	12.75	156	573173	145.606	ug/l	97
78) n-propylbenzene	12.80	91	3275577	154.992	ug/l	100
79) 2-Chlorotoluene	12.90	91	1804623	151.962	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	2305422	155.381	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	141914	167.119	ug/l	96
82) 4-Chlorotoluene	12.99	91	1942328	153.504	ug/l	100
83) tert-Butylbenzene	13.21	119	1960392	157.296	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	2349829	156.882	ug/l	99
85) sec-Butylbenzene	13.39	105	2868578	155.336	ug/l	100
86) p-Isopropyltoluene	13.50	119	2644898	159.785	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1218819	147.662	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	1159107	142.152	ug/l	100
89) n-Butylbenzene	13.83	91	2486133	157.545	ug/l	99
90) Hexachloroethane	14.10	117	441891	154.976	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	1036240	143.321	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	71973	141.582	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	738462	149.358	ug/l	99
94) Hexachlorobutadiene	15.24	225	422775	136.803	ug/l	99
95) Naphthalene	15.37	128	1329410	162.296	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	634595	146.171	ug/l	100

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

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