

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010819\
 Data File : VW008091.D
 Acq On : 08 Jan 2019 17:55
 Operator : SY/AP
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 11:08:10 AM

Quant Time: Jan 09 04:02:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 03:11:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	105960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	171263	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	154325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	72324	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	154581	130.90	ug/l	0.00
Spiked Amount			Recovery	=	261.80%	
35) Dibromofluoromethane	7.88	113	148859	140.19	ug/l	0.00
Spiked Amount			Recovery	=	280.38%	
50) Toluene-d8	10.32	98	606647	148.88	ug/l	0.00
Spiked Amount			Recovery	=	297.76%	
62) 4-Bromofluorobenzene	12.62	95	207073	134.07	ug/l	0.00
Spiked Amount			Recovery	=	268.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	120932	129.234	ug/l	99
3) Chloromethane	2.22	50	147356	189.972	ug/l	98
4) Vinyl Chloride	2.37	62	187103	185.446	ug/l	96
5) Bromomethane	2.79	94	169309	258.166	ug/l	98
6) Chloroethane	2.93	64	176258	314.533	ug/l	94
7) Trichlorofluoromethane	3.26	101	169058	173.972	ug/l	91
8) Diethyl Ether	3.68	74	88170	173.045	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	161685	145.560	ug/l	94
10) Methyl Iodide	4.26	142	257186	145.577	ug/l	97
11) Tert butyl alcohol	5.24	59	50428	651.438	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	163463	152.113	ug/l	97
13) Acrolein	3.90	56	56904	994.197	ug/l	99
14) Allyl chloride	4.67	41	293388	190.097	ug/l	98
15) Acrylonitrile	5.38	53	176868	944.456	ug/l	98
16) Acetone	4.14	43	151315	805.225	ug/l	94
17) Carbon Disulfide	4.37	76	514604	156.477	ug/l	99
18) Methyl Acetate	4.67	43	107638	209.099	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	243867	144.027	ug/l	94
20) Methylene Chloride	4.91	84	162021	128.493	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	169044	144.706	ug/l	98
22) Diisopropyl ether	6.31	45	533699	191.088	ug/l	99
23) Vinyl Acetate	6.26	43	1469980	952.873	ug/l	98
24) 1,1-Dichloroethane	6.21	63	308265	156.337	ug/l	98
25) 2-Butanone	7.18	43	216334	942.533	ug/l	98
26) 2,2-Dichloropropane	7.17	77	194180	123.535	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	184063	147.531	ug/l	97
28) Bromochloromethane	7.51	49	118850	177.335	ug/l	94
29) Tetrahydrofuran	7.54	42	149045	1021.237	ug/l	98
30) Chloroform	7.68	83	296160	137.389	ug/l	95
31) Cyclohexane	7.95	56	306790	162.034	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	256494	126.619	ug/l	99
36) 1,1-Dichloropropene	8.08	75	251976	150.275	ug/l	98
37) Ethyl Acetate	7.26	43	103297	193.189	ug/l	98
38) Carbon Tetrachloride	8.07	117	239522	124.080	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	324372	154.365	ug/l	95
40) Benzene	8.32	78	694918	155.892	ug/l	98
41) Methacrylonitrile	7.49	41	64110	209.053	ug/l	96
42) 1,2-Dichloroethane	8.40	62	189451	131.214	ug/l	99
43) Isopropyl Acetate	8.43	43	211339	199.992	ug/l	99
44) Trichloroethene	9.09	130	184174	143.705	ug/l	99
45) 1,2-Dichloropropane	9.37	63	174483	176.464	ug/l	98
46) Dibromomethane	9.46	93	84810	151.801	ug/l	93
47) Bromodichloromethane	9.65	83	221007	142.470	ug/l	98
48) Methyl methacrylate	9.44	41	106993	200.449	ug/l	97
49) 1,4-Dioxane	9.48	88	27364	3270.821	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	497292	1002.732	ug/l	99
52) Toluene	10.39	92	437801	148.988	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	234207	155.022	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	278353	163.574	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	119023	156.893	ug/l	99
56) Ethyl methacrylate	10.65	69	162927	185.158	ug/l	99
57) 1,3-Dichloropropane	10.93	76	218021	165.535	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	405338	943.369	ug/l	98
59) 2-Hexanone	10.97	43	339992	996.218	ug/l	100
60) Dibromochloromethane	11.13	129	144823	142.735	ug/l	100
61) 1,2-Dibromoethane	11.24	107	117888	155.205	ug/l	99
64) Tetrachloroethene	10.87	164	153915	149.572	ug/l	95
65) Chlorobenzene	11.66	112	470998	145.504	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	160113	138.399	ug/l	100
67) Ethyl Benzene	11.73	91	845882	146.196	ug/l	98
68) m/p-Xylenes	11.84	106	645532	289.326	ug/l	98
69) o-Xylene	12.17	106	301628	145.353	ug/l	99
70) Styrene	12.18	104	491696	145.740	ug/l	98
71) Bromoform	12.35	173	81865	153.370	ug/l #	97
73) Isopropylbenzene	12.47	105	818665	144.606	ug/l	100
74) N-amyl acetate	12.27	43	195158	207.213	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	131919	176.637	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	99258m	170.807	ug/l	
77) Bromobenzene	12.75	156	183464	152.092	ug/l	91
78) n-propylbenzene	12.81	91	982928	148.084	ug/l	98
79) 2-Chlorotoluene	12.90	91	551958	144.880	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	664555	137.350	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	44332	179.228	ug/l	95
82) 4-Chlorotoluene	12.99	91	567252	140.130	ug/l	98
83) tert-Butylbenzene	13.21	119	592424	139.398	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	671592	136.370	ug/l	98
85) sec-Butylbenzene	13.39	105	849556	144.014	ug/l	99
86) p-Isopropyltoluene	13.50	119	737006	139.291	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	354198	144.328	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	353018	144.992	ug/l	98
89) n-Butylbenzene	13.83	91	717506	146.757	ug/l	99
90) Hexachloroethane	14.10	117	133349	145.704	ug/l	87
91) 1,2-Dichlorobenzene	13.87	146	313158	144.963	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21750	148.016	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	224064	150.328	ug/l	97
94) Hexachlorobutadiene	15.24	225	127175	148.859	ug/l	100
95) Naphthalene	15.37	128	419659	162.438	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	192577	155.291	ug/l	97

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

