

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
 Data File : VW008640.D
 Acq On : 13 Feb 2019 15:11
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 2:08:54 PM

Quant Time: Feb 14 03:58:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:43:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	422548	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	651566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	578243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	307312	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	80470	18.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.64%	
35) Dibromofluoromethane	7.88	113	76956	19.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.04%	
50) Toluene-d8	10.32	98	287871	18.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.92%	
62) 4-Bromofluorobenzene	12.62	95	108783	18.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	52806	19.512	ug/l	98
3) Chloromethane	2.21	50	74263	19.034	ug/l	100
4) Vinyl Chloride	2.36	62	100702	19.650	ug/l	93
5) Bromomethane	2.77	94	84132	20.746	ug/l	98
6) Chloroethane	2.93	64	78744	20.649	ug/l	98
7) Trichlorofluoromethane	3.25	101	73319	18.369	ug/l	93
8) Diethyl Ether	3.67	74	47206	19.818	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	87353	20.709	ug/l	98
10) Methyl Iodide	4.26	142	135158	20.529	ug/l	100
11) Tert butyl alcohol	5.17	59	34771	100.832	ug/l	98
12) 1,1-Dichloroethene	4.03	96	84559	20.498	ug/l	95
13) Acrolein	3.88	56	37252	102.870	ug/l	99
14) Allyl chloride	4.65	41	138457	20.202	ug/l	98
15) Acrylonitrile	5.37	53	99401	99.145	ug/l	98
16) Acetone	4.12	43	88656	88.994	ug/l	96
17) Carbon Disulfide	4.37	76	251205	20.179	ug/l	99
18) Methyl Acetate	4.67	43	42110	18.435	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	146692	20.257	ug/l	100
20) Methylene Chloride	4.91	84	97482	17.041	ug/l	87
21) trans-1,2-Dichloroethene	5.41	96	91371	20.225	ug/l	96
22) Diisopropyl ether	6.31	45	276885	20.073	ug/l	100
23) Vinyl Acetate	6.25	43	865978	96.728	ug/l	100
24) 1,1-Dichloroethane	6.21	63	160603	20.177	ug/l	99
25) 2-Butanone	7.17	43	134426	95.233	ug/l	98
26) 2,2-Dichloropropane	7.16	77	98753	19.860	ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	98034	20.068	ug/l	98
28) Bromochloromethane	7.51	49	64843	19.297	ug/l	94
29) Tetrahydrofuran	7.52	42	87308	93.841	ug/l	95
30) Chloroform	7.67	83	160808	20.162	ug/l	95
31) Cyclohexane	7.95	56	161049	20.046	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	135201	20.072	ug/l	98
36) 1,1-Dichloropropene	8.07	75	132411	20.227	ug/l	99
37) Ethyl Acetate	7.25	43	63410	20.081	ug/l	98
38) Carbon Tetrachloride	8.07	117	131089	20.139	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	166272	20.082	ug/l	93
40) Benzene	8.32	78	362955	20.302	ug/l	97
41) Methacrylonitrile	7.48	41	35544	20.006	ug/l	96
42) 1,2-Dichloroethane	8.40	62	110861	19.991	ug/l	100
43) Isopropyl Acetate	8.42	43	121632	19.317	ug/l	97
44) Trichloroethene	9.09	130	99440	20.060	ug/l	98
45) 1,2-Dichloropropane	9.37	63	87303	19.732	ug/l	99
46) Dibromomethane	9.46	93	47314	19.412	ug/l	96
47) Bromodichloromethane	9.64	83	114531	19.553	ug/l	98
48) Methyl methacrylate	9.44	41	54342	18.623	ug/l	96
49) 1,4-Dioxane	9.44	88	15172	389.975	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	305602	94.482	ug/l	99
52) Toluene	10.38	92	232618	20.169	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	119853	19.477	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	139474	19.994	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	65155	19.483	ug/l	96
56) Ethyl methacrylate	10.65	69	85069	19.157	ug/l	99
57) 1,3-Dichloropropane	10.93	76	119449	20.131	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	216276	101.526	ug/l	99
59) 2-Hexanone	10.97	43	213185	93.822	ug/l	99
60) Dibromochloromethane	11.13	129	79762	19.933	ug/l	99
61) 1,2-Dibromoethane	11.23	107	65787	19.979	ug/l	97
64) Tetrachloroethene	10.86	164	87673	20.389	ug/l	98
65) Chlorobenzene	11.66	112	253961	20.377	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	87821	19.891	ug/l	98
67) Ethyl Benzene	11.73	91	446046	20.091	ug/l	100
68) m/p-Xylenes	11.84	106	346112	40.068	ug/l	99
69) o-Xylene	12.16	106	164290	20.121	ug/l	98
70) Styrene	12.18	104	259181	19.434	ug/l	99
71) Bromoform	12.35	173	46038	19.352	ug/l #	98
73) Isopropylbenzene	12.46	105	448201	19.580	ug/l	98
74) N-amyl acetate	12.27	43	116120	18.759	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	77437	19.443	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	65596m	17.884	ug/l	
77) Bromobenzene	12.75	156	107550	20.439	ug/l	93
78) n-propylbenzene	12.80	91	537785	19.772	ug/l	99
79) 2-Chlorotoluene	12.90	91	306257	19.923	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	378771	19.921	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	21280	17.142	ug/l	91
82) 4-Chlorotoluene	12.99	91	320230	19.657	ug/l	99
83) tert-Butylbenzene	13.21	119	327869	19.859	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	384292	19.665	ug/l	100
85) sec-Butylbenzene	13.39	105	480056	19.970	ug/l	99
86) p-Isopropyltoluene	13.50	119	422860	19.663	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	209138	19.606	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	208537	19.837	ug/l	97
89) n-Butylbenzene	13.83	91	405512	19.843	ug/l	99
90) Hexachloroethane	14.10	117	73316	19.513	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	187750	19.866	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12740	18.408	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	140608	20.901	ug/l	99
94) Hexachlorobutadiene	15.24	225	80924	20.665	ug/l	97
95) Naphthalene	15.37	128	242791	20.138	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	119853	20.761	ug/l	100

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

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