

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022119\
 Data File : VW008763.D
 Acq On : 21 Feb 2019 10:56
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 2/22/2019 12:24:57 PM

Quant Time: Feb 22 00:29:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:19:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	344970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	492865	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	473720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	265365	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	15907	4.92	ug/l	0.00
Spiked Amount			Recovery	=	9.84%	
35) Dibromofluoromethane	7.88	113	15412	5.21	ug/l	0.00
Spiked Amount			Recovery	=	10.42%	
50) Toluene-d8	10.32	98	56822	4.97	ug/l	0.00
Spiked Amount			Recovery	=	9.94%	
62) 4-Bromofluorobenzene	12.62	95	22788	5.09	ug/l	0.00
Spiked Amount			Recovery	=	10.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	18191	5.265	ug/l	98
3) Chloromethane	2.21	50	21927	5.213	ug/l	94
4) Vinyl Chloride	2.36	62	20702	4.649	ug/l	90
5) Bromomethane	2.76	94	17431	5.270	ug/l	95
6) Chloroethane	2.92	64	16858	5.331	ug/l #	88
7) Trichlorofluoromethane	3.26	101	27221	4.833	ug/l	98
8) Diethyl Ether	3.69	74	8709	4.884	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	16675	4.876	ug/l	98
10) Methyl Iodide	4.27	142	17106	4.000	ug/l	98
11) Tert butyl alcohol	5.15	59	7239	25.761	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	14839	4.913	ug/l	95
13) Acrolein	3.90	56	5906	21.682	ug/l	99
14) Allyl chloride	4.67	41	23068	4.425	ug/l	93
15) Acrylonitrile	5.37	53	17617	23.022	ug/l	94
16) Acetone	4.14	43	18196	24.262	ug/l	91
17) Carbon Disulfide	4.38	76	46326	4.623	ug/l	96
18) Methyl Acetate	4.68	43	10180	5.723	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	37482	4.585	ug/l	99
20) Methylene Chloride	4.92	84	31115	7.037	ug/l #	86
21) trans-1,2-Dichloroethene	5.43	96	17129	4.903	ug/l	85
22) Diisopropyl ether	6.31	45	46972	4.517	ug/l	91
23) Vinyl Acetate	6.26	43	132119	20.563	ug/l	96
24) 1,1-Dichloroethane	6.22	63	28774	4.775	ug/l	99
25) 2-Butanone	7.17	43	22807	21.752	ug/l	91
26) 2,2-Dichloropropane	7.17	77	28267	5.167	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	17942	4.801	ug/l	99
28) Bromochloromethane	7.51	49	12535	4.971	ug/l #	13
29) Tetrahydrofuran	7.54	42	15064	22.545	ug/l	98
30) Chloroform	7.68	83	29975	4.849	ug/l	92
31) Cyclohexane	7.95	56	33367	5.470	ug/l #	85
32) 1,1,1-Trichloroethane	7.87	97	26890	4.783	ug/l	97
36) 1,1-Dichloropropene	8.09	75	23522	4.903	ug/l	98
37) Ethyl Acetate	7.26	43	9535	4.274	ug/l #	78
38) Carbon Tetrachloride	8.07	117	24802	4.902	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	28162	4.706	ug/l	90
40) Benzene	8.32	78	63445	4.843	ug/l	97
41) Methacrylonitrile	7.50	41	7206	5.495	ug/l	87
42) 1,2-Dichloroethane	8.40	62	19562	4.714	ug/l	94
43) Isopropyl Acetate	8.42	43	20085	4.511	ug/l #	97
44) Trichloroethene	9.09	130	18248	4.945	ug/l	97
45) 1,2-Dichloropropane	9.37	63	16072	4.965	ug/l	89
46) Dibromomethane	9.46	93	8707	4.836	ug/l	98
47) Bromodichloromethane	9.64	83	20301	4.634	ug/l	91
48) Methyl methacrylate	9.44	41	9941	4.661	ug/l	93
49) 1,4-Dioxane	9.45	88	2740	95.026	ug/l #	87
51) 4-Methyl-2-Pentanone	10.21	43	51574	22.814	ug/l	97
52) Toluene	10.39	92	44078	4.958	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	19662	4.403	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	22308	4.380	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	11594	4.748	ug/l	97
56) Ethyl methacrylate	10.65	69	13336	4.204	ug/l	97
57) 1,3-Dichloropropane	10.93	76	20952	4.860	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	35505	22.252	ug/l	97
59) 2-Hexanone	10.97	43	33549	20.848	ug/l	94
60) Dibromochloromethane	11.13	129	13412	4.503	ug/l	95
61) 1,2-Dibromoethane	11.23	107	11144	4.611	ug/l	98
64) Tetrachloroethene	10.86	164	16710	4.928	ug/l	95
65) Chlorobenzene	11.66	112	48931	4.912	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	15637	4.643	ug/l	99
67) Ethyl Benzene	11.73	91	84919	4.769	ug/l	100
68) m/p-Xylenes	11.84	106	68867	9.679	ug/l	96
69) o-Xylene	12.17	106	31918	4.780	ug/l	99
70) Styrene	12.18	104	48894	4.551	ug/l	97
71) Bromoform	12.35	173	8127	4.489	ug/l #	94
73) Isopropylbenzene	12.47	105	83525	4.591	ug/l	98
74) N-amyl acetate	12.27	43	19337	4.220	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	14386	4.840	ug/l	92
76) 1,2,3-Trichloropropane	12.77	75	11869m	5.170	ug/l	
77) Bromobenzene	12.75	156	21388	4.975	ug/l	93
78) n-propylbenzene	12.80	91	103259	4.640	ug/l	96
79) 2-Chlorotoluene	12.89	91	60307	4.773	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	71874	4.546	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	3744	4.154	ug/l	89
82) 4-Chlorotoluene	12.99	91	63535	4.772	ug/l	99
83) tert-Butylbenzene	13.21	119	61478	4.497	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	74859	4.574	ug/l	100
85) sec-Butylbenzene	13.38	105	90796	4.619	ug/l	98
86) p-Isopropyltoluene	13.50	119	82366	4.571	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	43970	4.930	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	43318	4.928	ug/l	89
89) n-Butylbenzene	13.83	91	77163	4.571	ug/l	100
90) Hexachloroethane	14.10	117	13116	4.446	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	39354	4.952	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2505	4.659	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	26330	4.598	ug/l	96
94) Hexachlorobutadiene	15.24	225	16323	4.839	ug/l	94
95) Naphthalene	15.37	128	41358	4.242	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	23648	4.776	ug/l	97

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

