

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100819\
 Data File : VW013479.D
 Acq On : 08 Oct 2019 10:53
 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
 10/9/2019 4:08:38 PM

Quant Time: Oct 09 05:27:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:13:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	367596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	528089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	442725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	221389	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	28080	9.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.78%	
35) Dibromofluoromethane	7.88	113	28109	9.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.06%	
50) Toluene-d8	10.32	98	117990	9.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.04%	
62) 4-Bromofluorobenzene	12.62	95	40033	9.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	11674	9.587	ug/l	96
3) Chloromethane	2.20	50	23523	10.991	ug/l	99
4) Vinyl Chloride	2.36	62	33477	10.604	ug/l	96
5) Bromomethane	2.77	94	19731	10.475	ug/l	94
6) Chloroethane	2.92	64	18293	10.318	ug/l	94
7) Trichlorofluoromethane	3.25	101	14397	9.638	ug/l	99
8) Diethyl Ether	3.68	74	15652	10.124	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	32561	10.577	ug/l	97
10) Methyl Iodide	4.27	142	51591	10.583	ug/l	100
11) Tert butyl alcohol	5.18	59	13352	61.849	ug/l #	82
12) 1,1-Dichloroethene	4.04	96	33279	10.431	ug/l	93
13) Acrolein	3.89	56	13491	58.268	ug/l	99
14) Allyl chloride	4.66	41	50402	10.280	ug/l	99
15) Acrylonitrile	5.37	53	36589	50.635	ug/l	98
16) Acetone	4.13	43	31342	47.423	ug/l	94
17) Carbon Disulfide	4.38	76	93167	10.404	ug/l	98
18) Methyl Acetate	4.67	43	17716	9.358	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	49796	10.322	ug/l	99
20) Methylene Chloride	4.92	84	40997	11.268	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	35233	10.393	ug/l	93
22) Diisopropyl ether	6.31	45	94626	10.301	ug/l	97
23) Vinyl Acetate	6.25	43	280961	50.944	ug/l	96
24) 1,1-Dichloroethane	6.21	63	58383	10.398	ug/l	98
25) 2-Butanone	7.17	43	47340	48.604	ug/l	95
26) 2,2-Dichloropropane	7.17	77	37685	10.411	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	37754	10.525	ug/l	99
28) Bromochloromethane	7.51	49	15970	7.975	ug/l #	100
29) Tetrahydrofuran	7.53	42	29558	49.653	ug/l	99
30) Chloroform	7.67	83	56996	10.495	ug/l	98
31) Cyclohexane	7.95	56	64289	10.818	ug/l #	95
32) 1,1,1-Trichloroethane	7.87	97	45953	10.409	ug/l	99
36) 1,1-Dichloropropene	8.08	75	49518	10.365	ug/l	99
37) Ethyl Acetate	7.24	43	21712	10.017	ug/l	99
38) Carbon Tetrachloride	8.07	117	44018	10.394	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	64344	10.396	ug/l	98
40) Benzene	8.32	78	138275	10.369	ug/l	100
41) Methacrylonitrile	7.48	41	13208	10.716	ug/l	97
42) 1,2-Dichloroethane	8.40	62	34839	10.336	ug/l	97
43) Isopropyl Acetate	8.43	43	39288	10.033	ug/l	99
44) Trichloroethene	9.09	130	39218	10.309	ug/l	98
45) 1,2-Dichloropropane	9.37	63	33426	10.443	ug/l	95
46) Dibromomethane	9.46	93	16043	10.061	ug/l	99
47) Bromodichloromethane	9.64	83	40079	10.111	ug/l	96
48) Methyl methacrylate	9.44	41	17693	9.173	ug/l	94
49) 1,4-Dioxane	9.46	88	5678	202.797	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	100639	48.883	ug/l	100
52) Toluene	10.38	92	89592	10.430	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	39935	9.696	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	49675	9.955	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	24912	10.409	ug/l	93
56) Ethyl methacrylate	10.65	69	30767	9.544	ug/l	96
57) 1,3-Dichloropropane	10.93	76	41766	10.163	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	72210	47.481	ug/l	99
59) 2-Hexanone	10.97	43	67126	47.549	ug/l	100
60) Dibromochloromethane	11.13	129	27182	9.876	ug/l	95
61) 1,2-Dibromoethane	11.24	107	22598	9.927	ug/l	100
64) Tetrachloroethene	10.86	164	33397	10.249	ug/l	97
65) Chlorobenzene	11.66	112	92125	10.472	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	31845	10.421	ug/l	99
67) Ethyl Benzene	11.73	91	168594	10.485	ug/l	99
68) m/p-Xylenes	11.84	106	125733	20.552	ug/l	96
69) o-Xylene	12.16	106	59276	10.487	ug/l	98
70) Styrene	12.18	104	100155	10.320	ug/l	100
71) Bromoform	12.35	173	16610	9.907	ug/l #	100
73) Isopropylbenzene	12.46	105	165139	10.413	ug/l	99
74) N-amyl acetate	12.27	43	33252	9.587	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	26971	9.978	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	21163m	11.902	ug/l	
77) Bromobenzene	12.75	156	39558	10.524	ug/l	99
78) n-propylbenzene	12.80	91	190742	10.402	ug/l	99
79) 2-Chlorotoluene	12.89	91	109205	10.629	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	137422	10.429	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	8372	9.281	ug/l	94
82) 4-Chlorotoluene	12.99	91	112843	10.582	ug/l	99
83) tert-Butylbenzene	13.21	119	121321	10.368	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	137024	10.515	ug/l	100
85) sec-Butylbenzene	13.38	105	168846	10.443	ug/l	99
86) p-Isopropyltoluene	13.50	119	154554	10.404	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	74206	10.411	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	74119	10.615	ug/l	98
89) n-Butylbenzene	13.82	91	139073	10.364	ug/l	99
90) Hexachloroethane	14.09	117	25571	10.060	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	66732	10.604	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	4179	9.698	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	44415	9.987	ug/l	98
94) Hexachlorobutadiene	15.23	225	30441	10.300	ug/l	95
95) Naphthalene	15.36	128	70718	9.192	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	38924	10.009	ug/l	98

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

