

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022119\
 Data File : VW008764.D
 Acq On : 21 Feb 2019 11:22
 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
 2/22/2019 12:25:02 PM

Quant Time: Feb 22 00:31:24 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	341986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	481202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	464350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	263531	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	30785	9.60	ug/l	0.00
Spiked Amount			Recovery	=	19.20%	
35) Dibromofluoromethane	7.88	113	27184	9.41	ug/l	0.00
Spiked Amount			Recovery	=	18.82%	
50) Toluene-d8	10.32	98	111210	9.97	ug/l	0.00
Spiked Amount			Recovery	=	19.94%	
62) 4-Bromofluorobenzene	12.62	95	43691	10.00	ug/l	0.00
Spiked Amount			Recovery	=	20.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	34683	10.126	ug/l	98
3) Chloromethane	2.22	50	39017	9.358	ug/l	97
4) Vinyl Chloride	2.35	62	41573	9.417	ug/l	99
5) Bromomethane	2.76	94	30782	9.388	ug/l	96
6) Chloroethane	2.91	64	28661	9.143	ug/l	95
7) Trichlorofluoromethane	3.26	101	52847	9.465	ug/l	93
8) Diethyl Ether	3.69	74	17366	9.825	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	31528	9.299	ug/l	99
10) Methyl Iodide	4.27	142	37631	8.876	ug/l	99
11) Tert butyl alcohol	5.17	59	13886	49.846	ug/l #	86
12) 1,1-Dichloroethene	4.03	96	27299	9.117	ug/l	97
13) Acrolein	3.89	56	11277	41.761	ug/l	90
14) Allyl chloride	4.67	41	48761	9.435	ug/l	98
15) Acrylonitrile	5.37	53	36210	47.733	ug/l	98
16) Acetone	4.12	43	35356	47.555	ug/l	91
17) Carbon Disulfide	4.38	76	89963	9.055	ug/l	99
18) Methyl Acetate	4.68	43	16869	9.566	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	75993	9.376	ug/l	99
20) Methylene Chloride	4.92	84	49752	11.350	ug/l	90
21) trans-1,2-Dichloroethene	5.42	96	32852	9.485	ug/l	92
22) Diisopropyl ether	6.32	45	96933	9.403	ug/l	99
23) Vinyl Acetate	6.26	43	290193	45.560	ug/l	99
24) 1,1-Dichloroethane	6.22	63	56767	9.503	ug/l	97
25) 2-Butanone	7.17	43	48935	47.079	ug/l	98
26) 2,2-Dichloropropane	7.16	77	51358	9.469	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	35252	9.515	ug/l	96
28) Bromochloromethane	7.51	49	23038	9.216	ug/l	97
29) Tetrahydrofuran	7.54	42	29340	44.294	ug/l	94
30) Chloroform	7.68	83	58771	9.590	ug/l	90
31) Cyclohexane	7.95	56	59827	9.894	ug/l #	94
32) 1,1,1-Trichloroethane	7.87	97	52451	9.411	ug/l	98
36) 1,1-Dichloropropene	8.09	75	45367	9.685	ug/l	99
37) Ethyl Acetate	7.26	43	21107	9.690	ug/l	98
38) Carbon Tetrachloride	8.07	117	47941	9.705	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	55369	9.477	ug/l	94
40) Benzene	8.32	78	126889	9.921	ug/l	97
41) Methacrylonitrile	7.48	41	10956	8.557	ug/l	96
42) 1,2-Dichloroethane	8.40	62	39265	9.692	ug/l	99
43) Isopropyl Acetate	8.43	43	41849	9.626	ug/l	100
44) Trichloroethene	9.09	130	35541	9.865	ug/l	97
45) 1,2-Dichloropropane	9.37	63	30325	9.595	ug/l	91
46) Dibromomethane	9.46	93	16923	9.627	ug/l	99
47) Bromodichloromethane	9.64	83	41230	9.640	ug/l	95
48) Methyl methacrylate	9.44	41	18266	8.773	ug/l	89
49) 1,4-Dioxane	9.45	88	5438	193.166	ug/l	87
51) 4-Methyl-2-Pentanone	10.21	43	104440	47.319	ug/l	99
52) Toluene	10.39	92	85522	9.853	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	40346	9.255	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	47147	9.482	ug/l	93
55) 1,1,2-Trichloroethane	10.79	97	22937	9.621	ug/l	97
56) Ethyl methacrylate	10.65	69	29267	9.449	ug/l	97
57) 1,3-Dichloropropane	10.93	76	41018	9.745	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	82806	53.155	ug/l	99
59) 2-Hexanone	10.97	43	75292	47.922	ug/l	98
60) Dibromochloromethane	11.13	129	27437	9.435	ug/l	98
61) 1,2-Dibromoethane	11.23	107	23716	10.050	ug/l	95
64) Tetrachloroethene	10.86	164	33325	10.026	ug/l	95
65) Chlorobenzene	11.66	112	98789	10.118	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	32782	9.930	ug/l	99
67) Ethyl Benzene	11.73	91	171369	9.818	ug/l	100
68) m/p-Xylenes	11.84	106	137096	19.658	ug/l	99
69) o-Xylene	12.16	106	63533	9.706	ug/l	100
70) Styrene	12.18	104	100667	9.559	ug/l	99
71) Bromoform	12.35	173	16587	9.347	ug/l #	98
73) Isopropylbenzene	12.46	105	171148	9.473	ug/l	99
74) N-amyl acetate	12.27	43	41757	9.176	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	27709	9.387	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	19812m	8.690	ug/l	
77) Bromobenzene	12.75	156	42682	9.998	ug/l	97
78) n-propylbenzene	12.80	91	211077	9.551	ug/l	99
79) 2-Chlorotoluene	12.89	91	121288	9.667	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	150603	9.593	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	8089	9.038	ug/l	97
82) 4-Chlorotoluene	12.99	91	127643	9.654	ug/l	98
83) tert-Butylbenzene	13.21	119	135966	10.016	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	156572	9.634	ug/l	98
85) sec-Butylbenzene	13.38	105	185288	9.492	ug/l	100
86) p-Isopropyltoluene	13.50	119	168280	9.404	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	85497	9.652	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	87235	9.993	ug/l	97
89) n-Butylbenzene	13.83	91	156152	9.315	ug/l	98
90) Hexachloroethane	14.10	117	27345	9.335	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	79903	10.124	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5108	9.566	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	57228	10.064	ug/l	98
94) Hexachlorobutadiene	15.24	225	33278	9.935	ug/l	99
95) Naphthalene	15.37	128	91831	9.485	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	49335	10.034	ug/l	99

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

