

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011021.D
 Acq On : 27 Jun 2019 15:28
 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
 6/28/2019 10:24:54 AM

Quant Time: Jun 28 01:49:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:35:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	220702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	367731	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	325900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	157928	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	30857	11.35	ug/l	0.00
Spiked Amount			Recovery	=	22.70%	
35) Dibromofluoromethane	7.88	113	24001	11.56	ug/l	0.00
Spiked Amount			Recovery	=	23.12%	
50) Toluene-d8	10.32	98	95994	10.54	ug/l	0.00
Spiked Amount			Recovery	=	21.08%	
62) 4-Bromofluorobenzene	12.62	95	35231	10.64	ug/l	0.00
Spiked Amount			Recovery	=	21.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	18948	9.456	ug/l	98
3) Chloromethane	2.21	50	24581	8.497	ug/l	96
4) Vinyl Chloride	2.36	62	32641	11.604	ug/l	97
5) Bromomethane	2.77	94	16207	10.634	ug/l	96
6) Chloroethane	2.91	64	16824	10.197	ug/l	98
7) Trichlorofluoromethane	3.25	101	8820	2.778	ug/l	93
8) Diethyl Ether	3.67	74	14613	11.267	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	26298	11.739	ug/l	98
10) Methyl Iodide	4.27	142	36043	16.772	ug/l	99
11) Tert butyl alcohol	5.16	59	10975	51.861	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	26282	11.958	ug/l	95
13) Acrolein	3.89	56	7908	78.024	ug/l	98
14) Allyl chloride	4.66	41	42659	9.253	ug/l	98
15) Acrylonitrile	5.36	53	34294	53.732	ug/l	99
16) Acetone	4.12	43	34205	48.975	ug/l	92
17) Carbon Disulfide	4.38	76	72727	10.552	ug/l	99
18) Methyl Acetate	4.67	43	20657	13.340	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	38394	6.668	ug/l	94
20) Methylene Chloride	4.92	84	32354	12.954	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	27743	11.354	ug/l	97
22) Diisopropyl ether	6.31	45	103862	10.956	ug/l	99
23) Vinyl Acetate	6.25	43	298133	51.695	ug/l	99
24) 1,1-Dichloroethane	6.21	63	55208	11.520	ug/l	98
25) 2-Butanone	7.17	43	54474	55.401	ug/l	100
26) 2,2-Dichloropropane	7.16	77	29815	8.201	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	30403	11.326	ug/l	97
28) Bromochloromethane	7.51	49	23908	10.897	ug/l	99
29) Tetrahydrofuran	7.52	42	34366	55.161	ug/l	99
30) Chloroform	7.67	83	49741	11.354	ug/l	98
31) Cyclohexane	7.95	56	61011	11.511	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	37307	9.992	ug/l	99
36) 1,1-Dichloropropene	8.08	75	42491	11.172	ug/l	100
37) Ethyl Acetate	7.25	43	24506	11.464	ug/l	99
38) Carbon Tetrachloride	8.06	117	33882	10.420	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	50362	10.499	ug/l	99
40) Benzene	8.32	78	116327	11.190	ug/l	96
41) Methacrylonitrile	7.48	41	14097	11.041	ug/l	98
42) 1,2-Dichloroethane	8.40	62	38426	11.604	ug/l	100
43) Isopropyl Acetate	8.42	43	44012	10.730	ug/l	100
44) Trichloroethene	9.09	130	27657	10.826	ug/l	96
45) 1,2-Dichloropropane	9.37	63	30953	11.222	ug/l	96
46) Dibromomethane	9.46	93	14824	11.544	ug/l	98
47) Bromodichloromethane	9.64	83	35137	10.649	ug/l	99
48) Methyl methacrylate	9.43	41	20819	10.525	ug/l	98
49) 1,4-Dioxane	9.44	88	4719	228.086	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	114994	54.459	ug/l	100
52) Toluene	10.38	92	69779	10.924	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	34817	9.970	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	42775	10.382	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	20951	11.342	ug/l	98
56) Ethyl methacrylate	10.65	69	29044	10.264	ug/l	98
57) 1,3-Dichloropropane	10.93	76	38992	11.207	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	75278	51.074	ug/l	99
59) 2-Hexanone	10.97	43	77998	51.385	ug/l	99
60) Dibromochloromethane	11.13	129	20118	9.944	ug/l	98
61) 1,2-Dibromoethane	11.24	107	18550	10.638	ug/l	98
64) Tetrachloroethene	10.86	164	24138	11.095	ug/l	97
65) Chlorobenzene	11.66	112	71603	11.089	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	23514	10.581	ug/l	98
67) Ethyl Benzene	11.73	91	134905	10.870	ug/l	98
68) m/p-Xylenes	11.84	106	98018	21.992	ug/l	100
69) o-Xylene	12.16	106	45488	10.792	ug/l	100
70) Styrene	12.18	104	77543	10.583	ug/l	100
71) Bromoform	12.35	173	10539	9.204	ug/l #	98
73) Isopropylbenzene	12.46	105	125726	10.629	ug/l	98
74) N-amyl acetate	12.27	43	38014	9.797	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	24803	10.930	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	18112m	10.879	ug/l	
77) Bromobenzene	12.74	156	27766	10.761	ug/l	98
78) n-propylbenzene	12.80	91	154758	10.791	ug/l	99
79) 2-Chlorotoluene	12.89	91	89879	10.971	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	105004	10.763	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	6176	8.593	ug/l	88
82) 4-Chlorotoluene	12.99	91	94130	11.116	ug/l	100
83) tert-Butylbenzene	13.21	119	87252	10.584	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	107836	10.986	ug/l	100
85) sec-Butylbenzene	13.38	105	128404	10.706	ug/l	100
86) p-Isopropyltoluene	13.50	119	114638	10.678	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	55867	11.185	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	55705	11.219	ug/l	99
89) n-Butylbenzene	13.82	91	116466	10.842	ug/l	100
90) Hexachloroethane	14.10	117	18813	9.876	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	49360	10.939	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3839	9.799	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	33921	10.719	ug/l	100
94) Hexachlorobutadiene	15.24	225	20953	10.621	ug/l	99
95) Naphthalene	15.37	128	61121	10.509	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	30235	11.166	ug/l	100

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

