

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082319\
 Data File : VW012125.D
 Acq On : 23 Aug 2019 10:11
 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
 8/26/2019 11:38:57 AM

Quant Time: Aug 26 07:12:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:02:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	265833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	425057	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	367397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	174834	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	31131	9.85	ug/l	0.00
Spiked Amount			Recovery	=	19.70%	
35) Dibromofluoromethane	7.88	113	25466	10.04	ug/l	0.00
Spiked Amount			Recovery	=	20.08%	
50) Toluene-d8	10.32	98	100522	9.77	ug/l	0.00
Spiked Amount			Recovery	=	19.54%	
62) 4-Bromofluorobenzene	12.62	95	36228	9.99	ug/l	0.00
Spiked Amount			Recovery	=	19.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	13996	8.551	ug/l	95
3) Chloromethane	2.21	50	23981	9.457	ug/l	96
4) Vinyl Chloride	2.36	62	28967	9.333	ug/l	97
5) Bromomethane	2.78	94	14938	9.503	ug/l	97
6) Chloroethane	2.92	64	16522	9.436	ug/l	93
7) Trichlorofluoromethane	3.26	101	13539	8.687	ug/l	96
8) Diethyl Ether	3.68	74	13940	9.423	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	25364	9.574	ug/l	98
10) Methyl Iodide	4.27	142	33122	9.240	ug/l	98
11) Tert butyl alcohol	5.18	59	9125m	47.402	ug/l	
12) 1,1-Dichloroethene	4.04	96	24847	9.318	ug/l	98
13) Acrolein	3.89	56	9048	50.543	ug/l	96
14) Allyl chloride	4.67	41	52929	9.285	ug/l	99
15) Acrylonitrile	5.37	53	34462	46.998	ug/l	99
16) Acetone	4.12	43	34266	42.419	ug/l	99
17) Carbon Disulfide	4.38	76	69116	8.577	ug/l	99
18) Methyl Acetate	4.67	43	18662	9.328	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	41228	9.561	ug/l	95
20) Methylene Chloride	4.91	84	30202	9.890	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	26803	9.374	ug/l	99
22) Diisopropyl ether	6.31	45	103504	9.796	ug/l	96
23) Vinyl Acetate	6.26	43	295342	45.419	ug/l	99
24) 1,1-Dichloroethane	6.21	63	55681	9.678	ug/l	99
25) 2-Butanone	7.18	43	49439	45.039	ug/l	99
26) 2,2-Dichloropropane	7.16	77	31746	9.749	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	29055	9.511	ug/l	98
28) Bromochloromethane	7.51	49	24993	9.967	ug/l	97
29) Tetrahydrofuran	7.53	42	29722	45.131	ug/l	98
30) Chloroform	7.68	83	52065	9.892	ug/l	100
31) Cyclohexane	7.96	56	55483	9.748	ug/l #	88
32) 1,1,1-Trichloroethane	7.87	97	39929	9.589	ug/l	98
36) 1,1-Dichloropropene	8.09	75	41970	9.555	ug/l	99
37) Ethyl Acetate	7.26	43	22130	9.194	ug/l	99
38) Carbon Tetrachloride	8.07	117	36125	9.502	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	45527	9.226	ug/l	96
40) Benzene	8.32	78	115980	9.670	ug/l	99
41) Methacrylonitrile	7.49	41	13766	9.731	ug/l	97
42) 1,2-Dichloroethane	8.40	62	36738	9.773	ug/l	99
43) Isopropyl Acetate	8.43	43	41112	9.221	ug/l	99
44) Trichloroethene	9.09	130	28108	9.640	ug/l	99
45) 1,2-Dichloropropane	9.37	63	31451	9.743	ug/l	96
46) Dibromomethane	9.46	93	13297	9.258	ug/l	98
47) Bromodichloromethane	9.65	83	36231	9.479	ug/l	99
48) Methyl methacrylate	9.44	41	18780	8.850	ug/l	96
49) 1,4-Dioxane	9.45	88	4338	197.302	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	104516	46.088	ug/l	99
52) Toluene	10.39	92	68961	9.571	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	35262	9.057	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	43810	9.319	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	20316	9.998	ug/l	97
56) Ethyl methacrylate	10.65	69	26449	8.943	ug/l	97
57) 1,3-Dichloropropane	10.93	76	37212	9.691	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	67978	44.786	ug/l	100
59) 2-Hexanone	10.97	43	71163	44.350	ug/l	100
60) Dibromochloromethane	11.13	129	20756	9.170	ug/l	96
61) 1,2-Dibromoethane	11.23	107	17779	9.391	ug/l	98
64) Tetrachloroethene	10.86	164	22479	9.437	ug/l	97
65) Chlorobenzene	11.66	112	70930	9.805	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	24031	9.522	ug/l	96
67) Ethyl Benzene	11.73	91	132157	9.483	ug/l	99
68) m/p-Xylenes	11.84	106	95893	19.103	ug/l	99
69) o-Xylene	12.17	106	44577	9.595	ug/l	100
70) Styrene	12.18	104	75314	9.365	ug/l	99
71) Bromoform	12.35	173	11386	9.055	ug/l #	99
73) Isopropylbenzene	12.46	105	126188	9.632	ug/l	98
74) N-amyl acetate	12.27	43	35774	9.038	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	23345	9.720	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	16024m	9.512	ug/l	
77) Bromobenzene	12.75	156	27225	9.606	ug/l	99
78) n-propylbenzene	12.80	91	153777	9.615	ug/l	99
79) 2-Chlorotoluene	12.89	91	88013	9.693	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	105662	9.652	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	6713	8.644	ug/l	95
82) 4-Chlorotoluene	12.99	91	94440	9.933	ug/l	100
83) tert-Butylbenzene	13.21	119	90152	9.722	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	106420	9.678	ug/l	99
85) sec-Butylbenzene	13.38	105	128795	9.695	ug/l	99
86) p-Isopropyltoluene	13.50	119	114927	9.687	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	55589	10.028	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	54636	9.926	ug/l	96
89) n-Butylbenzene	13.82	91	112361	9.523	ug/l	99
90) Hexachloroethane	14.10	117	19281	9.263	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	48287	9.929	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3862	9.538	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	30859	9.182	ug/l	100
94) Hexachlorobutadiene	15.24	225	21709	9.783	ug/l	99
95) Naphthalene	15.37	128	50132	8.519	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	27239	9.290	ug/l	99

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

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