

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010219\
 Data File : VW008008.D
 Acq On : 02 Jan 2019 14:36
 Operator : SY/AP
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 1/3/2019 10:55:32 AM

Quant Time: Jan 03 05:00:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 04:40:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	70292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	110147	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	101074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	48832	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	75948	97.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.38%	
35) Dibromofluoromethane	7.88	113	67625	97.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.78%	
50) Toluene-d8	10.32	98	254108	97.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.12%	
62) 4-Bromofluorobenzene	12.62	95	97034	97.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	69623	106.385	ug/l	91
3) Chloromethane	2.22	50	49936	104.351	ug/l	100
4) Vinyl Chloride	2.37	62	62257	100.732	ug/l	96
5) Bromomethane	2.78	94	39505	100.608	ug/l	94
6) Chloroethane	2.93	64	32143	101.753	ug/l	99
7) Trichlorofluoromethane	3.26	101	66200	106.704	ug/l	99
8) Diethyl Ether	3.68	74	32578	102.236	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	75669	102.633	ug/l	98
10) Methyl Iodide	4.26	142	121993	102.849	ug/l	99
11) Tert butyl alcohol	5.17	59	23657	468.359	ug/l	97
12) 1,1-Dichloroethene	4.04	96	71838	101.794	ug/l	92
13) Acrolein	3.89	56	16179	472.748	ug/l	97
14) Allyl chloride	4.67	41	98292	102.807	ug/l	99
15) Acrylonitrile	5.37	53	60756	518.387	ug/l	99
16) Acetone	4.12	43	58342	484.772	ug/l	99
17) Carbon Disulfide	4.37	76	226081	104.874	ug/l	99
18) Methyl Acetate	4.67	43	32934	105.521	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	111243	100.163	ug/l	96
20) Methylene Chloride	4.91	84	70884	85.394	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	78328	102.011	ug/l	97
22) Diisopropyl ether	6.32	45	177104	103.202	ug/l	97
23) Vinyl Acetate	6.26	43	503003	523.880	ug/l	99
24) 1,1-Dichloroethane	6.21	63	130212	102.123	ug/l	98
25) 2-Butanone	7.17	43	71504	504.269	ug/l	99
26) 2,2-Dichloropropane	7.17	77	102717	97.779	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	83015	101.497	ug/l	98
28) Bromochloromethane	7.51	49	40667	99.231	ug/l #	98
29) Tetrahydrofuran	7.53	42	44700	507.507	ug/l	97
30) Chloroform	7.68	83	147463	103.192	ug/l	98
31) Cyclohexane	7.95	56	115840	97.475	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	138675	101.416	ug/l	99
36) 1,1-Dichloropropene	8.09	75	112364	103.413	ug/l	99
37) Ethyl Acetate	7.25	43	34247	104.931	ug/l	100
38) Carbon Tetrachloride	8.07	117	135391	103.974	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	141585	104.538	ug/l	96
40) Benzene	8.32	78	295284	103.014	ug/l	99
41) Methacrylonitrile	7.48	41	19786	98.392	ug/l	92
42) 1,2-Dichloroethane	8.40	62	99722	104.415	ug/l	99
43) Isopropyl Acetate	8.43	43	68971	105.764	ug/l	99
44) Trichloroethene	9.09	130	86388	102.130	ug/l	98
45) 1,2-Dichloropropane	9.37	63	63201	101.864	ug/l	99
46) Dibromomethane	9.46	93	37421	103.159	ug/l	98
47) Bromodichloromethane	9.65	83	104829	103.176	ug/l	95
48) Methyl methacrylate	9.43	41	34389	104.586	ug/l	99
49) 1,4-Dioxane	9.45	88	11078	2063.640	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	153086	507.138	ug/l	100
52) Toluene	10.39	92	192843	101.907	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	103765	106.209	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	114251	104.798	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	50745	103.320	ug/l	98
56) Ethyl methacrylate	10.65	69	59760	107.629	ug/l	99
57) 1,3-Dichloropropane	10.93	76	85722	102.717	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	129747	492.720	ug/l	100
59) 2-Hexanone	10.97	43	108211	519.265	ug/l	100
60) Dibromochloromethane	11.13	129	71252	105.984	ug/l	99
61) 1,2-Dibromoethane	11.24	107	51314	104.402	ug/l	98
64) Tetrachloroethene	10.86	164	70769	101.362	ug/l	99
65) Chlorobenzene	11.66	112	220343	102.003	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	80429	102.815	ug/l	97
67) Ethyl Benzene	11.73	91	391072	101.995	ug/l	99
68) m/p-Xylenes	11.84	106	300672	202.836	ug/l	98
69) o-Xylene	12.17	106	140334	101.742	ug/l	98
70) Styrene	12.18	104	233457	103.844	ug/l	99
71) Bromoform	12.35	173	37951	104.714	ug/l	# 99
73) Isopropylbenzene	12.47	105	406190	104.607	ug/l	99
74) N-amyl acetate	12.27	43	63785	105.528	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	51104	103.436	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	41555m	61.092	ug/l	
77) Bromobenzene	12.75	156	86463	103.597	ug/l	97
78) n-propylbenzene	12.81	91	469150	104.209	ug/l	99
79) 2-Chlorotoluene	12.90	91	272404	104.691	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	349682	104.621	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	18202	110.802	ug/l	98
82) 4-Chlorotoluene	12.99	91	288233	104.177	ug/l	99
83) tert-Butylbenzene	13.21	119	306927	104.959	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	347799	102.733	ug/l	100
85) sec-Butylbenzene	13.39	105	415786	103.359	ug/l	99
86) p-Isopropyltoluene	13.51	119	376700	103.817	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	172312	102.323	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	169485	101.659	ug/l	99
89) n-Butylbenzene	13.83	91	342763	103.276	ug/l	99
90) Hexachloroethane	14.10	117	66414	105.485	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	151322	102.257	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10958	109.278	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	106318	102.294	ug/l	99
94) Hexachlorobutadiene	15.24	225	61690	102.798	ug/l	99
95) Naphthalene	15.38	128	189535	107.075	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	89091	104.176	ug/l	99

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

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