

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
 Data File : VN058961.D
 Acq On : 24 Oct 2019 15:12
 Operator : JC/SP
 Sample : VN1025WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/26/2019 1:16:08 AM

Quant Time: Oct 25 02:15:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	332642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	538019	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	501984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	233788	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	249579	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
35) Dibromofluoromethane	7.57	113	177833	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
50) Toluene-d8	10.08	98	680648	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.40	95	243670	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	80527	19.416	ug/l 98
3) Chloromethane	2.04	50	94565	18.410	ug/l 99
4) Vinyl Chloride	2.17	62	97968	19.209	ug/l 97
5) Bromomethane	2.55	94	58114	18.196	ug/l 99
6) Chloroethane	2.69	64	63553	19.432	ug/l 100
7) Trichlorofluoromethane	3.00	101	123305	19.540	ug/l 99
8) Diethyl Ether	3.39	74	43254	19.835	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	68766	19.656	ug/l 98
10) Methyl Iodide	3.93	142	75425	16.393	ug/l 99
11) Tert butyl alcohol	4.75	59	75794	93.619	ug/l 99
12) 1,1-Dichloroethene	3.72	96	64170	19.569	ug/l 96
13) Acrolein	3.59	56	30542	54.904	ug/l 100
14) Allyl chloride	4.30	41	127980	19.287	ug/l 99
15) Acrylonitrile	4.96	53	206430	101.366	ug/l 99
16) Acetone	3.79	43	196803	81.635	ug/l 99
17) Carbon Disulfide	4.03	76	190783	18.061	ug/l 97
18) Methyl Acetate	4.30	43	110530	20.166	ug/l 100
19) Methyl tert-butyl Ether	5.02	73	231928	20.198	ug/l 99
20) Methylene Chloride	4.53	84	80382	19.527	ug/l 98
21) trans-1,2-Dichloroethene	5.01	96	71698	19.798	ug/l 98
22) Diisopropyl ether	5.93	45	269666	20.777	ug/l 99
23) Vinyl Acetate	5.87	43	1102933	105.769	ug/l 100
24) 1,1-Dichloroethane	5.83	63	150144	19.950	ug/l 99
25) 2-Butanone	6.81	43	286670	91.604	ug/l 100
26) 2,2-Dichloropropane	6.81	77	119576	18.369	ug/l 100
27) cis-1,2-Dichloroethene	6.81	96	82878	20.034	ug/l 99
28) Bromochloromethane	7.17	49	52068	20.774	ug/l 100
29) Tetrahydrofuran	7.19	42	192056	100.323	ug/l 99
30) Chloroform	7.35	83	146449	19.399	ug/l 99
31) Cyclohexane	7.64	56	132710	18.928	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	124947	19.636	ug/l 99
36) 1,1-Dichloropropene	7.77	75	105577	19.167	ug/l 99
37) Ethyl Acetate	6.90	43	120289	20.042	ug/l 98
38) Carbon Tetrachloride	7.76	117	108328	19.090	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	113238	18.309	ug/l	98
40) Benzene	8.02	78	319752	19.769	ug/l	98
41) Methacrylonitrile	7.16	41	47129m	17.631	ug/l	
42) 1,2-Dichloroethane	8.11	62	121164	19.446	ug/l	100
43) Isopropyl Acetate	8.15	43	190103	19.750	ug/l	99
44) Trichloroethene	8.82	130	76332	19.373	ug/l	99
45) 1,2-Dichloropropane	9.11	63	88817	20.025	ug/l	99
46) Dibromomethane	9.20	93	56163	20.030	ug/l	98
47) Bromodichloromethane	9.39	83	113372	19.618	ug/l	98
48) Methyl methacrylate	9.19	41	86306	19.762	ug/l	99
49) 1,4-Dioxane	9.19	88	26305	366.926	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	597967	106.357	ug/l	99
52) Toluene	10.15	92	194824	20.311	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	125398	19.601	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	133039	19.465	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	77674	19.657	ug/l	98
56) Ethyl methacrylate	10.42	69	113694	18.508	ug/l	99
57) 1,3-Dichloropropane	10.70	76	138025	19.902	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	251293	93.289	ug/l	99
59) 2-Hexanone	10.75	43	431953	99.425	ug/l	98
60) Dibromochloromethane	10.90	129	83353	19.598	ug/l	98
61) 1,2-Dibromoethane	11.00	107	79939	19.768	ug/l	99
64) Tetrachloroethene	10.63	164	67604	19.230	ug/l	98
65) Chlorobenzene	11.43	112	202134	19.779	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	76800	19.914	ug/l	99
67) Ethyl Benzene	11.51	91	361668	20.174	ug/l	97
68) m/p-Xylenes	11.62	106	266546	40.091	ug/l	99
69) o-Xylene	11.95	106	126480	19.947	ug/l	100
70) Styrene	11.97	104	204643	18.599	ug/l	99
71) Bromoform	12.13	173	57336	19.173	ug/l #	99
73) Isopropylbenzene	12.25	105	347843	20.359	ug/l	99
74) N-amyl acetate	12.07	43	152892	19.739	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	122157	20.334	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	105113m	19.400	ug/l	
77) Bromobenzene	12.53	156	83668	19.868	ug/l	99
78) n-propylbenzene	12.59	91	409827	20.293	ug/l	99
79) 2-Chlorotoluene	12.68	91	246102	19.910	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	293930	20.476	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	38805	18.657	ug/l	98
82) 4-Chlorotoluene	12.78	91	250084	19.798	ug/l	99
83) tert-Butylbenzene	13.00	119	253302	20.635	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	294299	20.785	ug/l	99
85) sec-Butylbenzene	13.17	105	332031	20.288	ug/l	98
86) p-Isopropyltoluene	13.29	119	293970	20.357	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	146569	19.464	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	146589	19.444	ug/l	98
89) n-Butylbenzene	13.62	91	255935	19.293	ug/l	100
90) Hexachloroethane	13.88	117	58976	20.155	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	148317	20.040	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25080	18.457	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	76932	18.200	ug/l	100
94) Hexachlorobutadiene	15.01	225	45175	18.832	ug/l	100
95) Naphthalene	15.13	128	207597	17.038	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	76601	18.474	ug/l	99

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

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