

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\
 Data File : VN062241.D
 Acq On : 30 Jun 2020 15:50
 Operator : JC/MD
 Sample : VN0630WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0630WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/1/2020 10:16:33 AM

Quant Time: Jul 01 04:31:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	219207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	403376	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	369444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	162043	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	160568	52.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.40%	
35) Dibromofluoromethane	7.55	113	123792	47.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.68%	
50) Toluene-d8	10.06	98	494856	47.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.68%	
62) 4-Bromofluorobenzene	12.38	95	162053	46.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	43777	17.668	ug/l	98
3) Chloromethane	2.03	50	58329	19.171	ug/l	98
4) Vinyl Chloride	2.16	62	68355	17.518	ug/l	94
5) Bromomethane	2.53	94	47616	18.882	ug/l	96
6) Chloroethane	2.67	64	47633	17.870	ug/l	99
7) Trichlorofluoromethane	2.98	101	83832	17.436	ug/l	99
8) Diethyl Ether	3.37	74	33751	20.103	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	48672	19.331	ug/l	97
10) Methyl Iodide	3.91	142	55120	19.439	ug/l	99
11) Tert butyl alcohol	4.74	59	48051	108.793	ug/l	99
12) 1,1-Dichloroethene	3.70	96	48308	19.192	ug/l	97
13) Acrolein	3.57	56	46636	107.847	ug/l	100
14) Allyl chloride	4.28	41	71422	20.842	ug/l	98
15) Acrylonitrile	4.93	53	131900	109.589	ug/l	98
16) Acetone	3.78	43	106386	107.876	ug/l	97
17) Carbon Disulfide	4.01	76	131935	18.332	ug/l	100
18) Methyl Acetate	4.28	43	54272	22.194	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	164095	20.402	ug/l	99
20) Methylene Chloride	4.50	84	59718	21.021	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	52899	18.448	ug/l	97
22) Diisopropyl ether	5.90	45	163575	20.964	ug/l	94
23) Vinyl Acetate	5.84	43	665301	104.435	ug/l	98
24) 1,1-Dichloroethane	5.80	63	101206	20.142	ug/l	99
25) 2-Butanone	6.79	43	160065	106.454	ug/l	98
26) 2,2-Dichloropropane	6.77	77	81643	19.499	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	61101	18.937	ug/l	98
28) Bromochloromethane	7.15	49	45785	21.002	ug/l	93
29) Tetrahydrofuran	7.17	42	108889	110.554	ug/l	97
30) Chloroform	7.33	83	101495	19.854	ug/l	96
31) Cyclohexane	7.61	56	84936	19.985	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	83776	19.433	ug/l	97
36) 1,1-Dichloropropene	7.75	75	73590	18.150	ug/l	97
37) Ethyl Acetate	6.88	43	70178	20.903	ug/l #	92
38) Carbon Tetrachloride	7.73	117	66903	17.502	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	82003	18.459	ug/l	98
40) Benzene	8.00	78	231743	18.752	ug/l	99
41) Methacrylonitrile	7.13	41	27873	17.908	ug/l	92
42) 1,2-Dichloroethane	8.08	62	80467	19.272	ug/l	97
43) Isopropyl Acetate	8.13	43	109741	20.051	ug/l	98
44) Trichloroethene	8.80	130	55195	17.706	ug/l	99
45) 1,2-Dichloropropane	9.08	63	60599	19.876	ug/l	98
46) Dibromomethane	9.17	93	39473	19.096	ug/l	96
47) Bromodichloromethane	9.37	83	79714	19.099	ug/l	99
48) Methyl methacrylate	9.17	41	48636	19.819	ug/l	98
49) 1,4-Dioxane	9.17	88	21905	402.519	ug/l	92
51) 4-Methyl-2-Pentanone	9.95	43	341003	106.641	ug/l	98
52) Toluene	10.12	92	142248	18.865	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	86658	18.872	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	93805	19.188	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	56997	19.230	ug/l	96
56) Ethyl methacrylate	10.40	69	79749	20.161	ug/l	99
57) 1,3-Dichloropropane	10.68	76	98484	19.304	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	141607	94.770	ug/l	98
59) 2-Hexanone	10.72	43	241681	104.667	ug/l	98
60) Dibromochloromethane	10.87	129	57739	18.400	ug/l	97
61) 1,2-Dibromoethane	10.98	107	56098	18.419	ug/l	99
64) Tetrachloroethene	10.60	164	43613	17.282	ug/l	97
65) Chlorobenzene	11.40	112	145600	17.946	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	52346	18.659	ug/l	99
67) Ethyl Benzene	11.48	91	257099	18.764	ug/l	99
68) m/p-Xylenes	11.60	106	198086	37.377	ug/l	100
69) o-Xylene	11.92	106	93268	18.652	ug/l	94
70) Styrene	11.94	104	152909	18.336	ug/l	98
71) Bromoform	12.10	173	36227	18.162	ug/l #	97
73) Isopropylbenzene	12.22	105	247766	19.753	ug/l	99
74) N-amyl acetate	12.04	43	88611	21.251	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	85748	20.543	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	75759m	19.860	ug/l	
77) Bromobenzene	12.50	156	57599	18.496	ug/l	93
78) n-propylbenzene	12.56	91	288606	20.115	ug/l	99
79) 2-Chlorotoluene	12.65	91	173408	19.992	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	202632	19.928	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	25309	19.376	ug/l	93
82) 4-Chlorotoluene	12.75	91	178224	19.870	ug/l	99
83) tert-Butylbenzene	12.97	119	168385	19.350	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	201177	19.809	ug/l	99
85) sec-Butylbenzene	13.15	105	233712	20.325	ug/l	100
86) p-Isopropyltoluene	13.26	119	200850	19.937	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	101654	18.589	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	99601	17.670	ug/l	98
89) n-Butylbenzene	13.59	91	160082	19.113	ug/l	99
90) Hexachloroethane	13.85	117	39159	19.812	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	99611	18.785	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	14713	22.003	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	39822	17.190	ug/l	97
94) Hexachlorobutadiene	14.98	225	19897	19.776	ug/l	98
95) Naphthalene	15.10	128	115057	17.701	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	40894	17.265	ug/l	97

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

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