

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062220\
 Data File : VN062017.D
 Acq On : 22 Jun 2020 23:32
 Operator : JC/MD
 Sample : VN0622WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0622WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 12:47:14 PM

Quant Time: Jun 23 06:41:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	153357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	268846	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	244829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	110550	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	113639	55.25	ug/l	0.00
Spiked Amount			Recovery	=	110.50%	
35) Dibromofluoromethane	7.55	113	93603	54.42	ug/l	0.00
Spiked Amount			Recovery	=	108.84%	
50) Toluene-d8	10.06	98	343409	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
62) 4-Bromofluorobenzene	12.38	95	114357	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	35601	18.029	ug/l	95
3) Chloromethane	2.03	50	38039	17.870	ug/l	99
4) Vinyl Chloride	2.16	62	45810	18.052	ug/l	100
5) Bromomethane	2.53	94	32690	16.775	ug/l	98
6) Chloroethane	2.67	64	32368	18.847	ug/l	100
7) Trichlorofluoromethane	2.98	101	56876	18.764	ug/l	98
8) Diethyl Ether	3.37	74	20612	20.227	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	29653	19.068	ug/l	99
10) Methyl Iodide	3.91	142	32579	20.831	ug/l	99
11) Tert butyl alcohol	4.73	59	30940	108.710	ug/l	99
12) 1,1-Dichloroethene	3.69	96	29245	18.769	ug/l	95
13) Acrolein	3.56	56	12417	72.996	ug/l	99
14) Allyl chloride	4.27	41	40021	19.352	ug/l	98
15) Acrylonitrile	4.93	53	78949	111.949	ug/l	99
16) Acetone	3.78	43	63084	103.838	ug/l	99
17) Carbon Disulfide	4.00	76	66414	14.567	ug/l	99
18) Methyl Acetate	4.28	43	39564	22.620	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	107156	20.654	ug/l	97
20) Methylene Chloride	4.51	84	37234	18.812	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	31459	17.577	ug/l	98
22) Diisopropyl ether	5.90	45	98644	20.856	ug/l	98
23) Vinyl Acetate	5.84	43	378942	101.868	ug/l	98
24) 1,1-Dichloroethane	5.80	63	62333	20.132	ug/l	99
25) 2-Butanone	6.79	43	97631	110.146	ug/l	98
26) 2,2-Dichloropropane	6.78	77	44869	17.225	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	39040	18.905	ug/l	97
28) Bromochloromethane	7.15	49	27808	20.172	ug/l	93
29) Tetrahydrofuran	7.17	42	63277	108.475	ug/l	99
30) Chloroform	7.33	83	64260	19.420	ug/l	99
31) Cyclohexane	7.61	56	44903	16.567	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	52309	18.562	ug/l	99
36) 1,1-Dichloropropene	7.75	75	42750	17.433	ug/l	99
37) Ethyl Acetate	6.88	43	43317	22.621	ug/l	99
38) Carbon Tetrachloride	7.73	117	44090	18.156	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	44402	16.816	ug/l	98
40) Benzene	8.00	78	140663	18.936	ug/l	98
41) Methacrylonitrile	7.13	41	17445m	21.305	ug/l	
42) 1,2-Dichloroethane	8.08	62	50768	20.044	ug/l	98
43) Isopropyl Acetate	8.13	43	68206	21.136	ug/l #	91
44) Trichloroethene	8.80	130	35393	18.105	ug/l	99
45) 1,2-Dichloropropane	9.08	63	36622	20.062	ug/l	99
46) Dibromomethane	9.17	93	25190	19.596	ug/l	97
47) Bromodichloromethane	9.37	83	51270	19.478	ug/l	97
48) Methyl methacrylate	9.17	41	29941	20.402	ug/l	98
49) 1,4-Dioxane	9.17	88	13299	394.707	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	205980	108.013	ug/l	100
52) Toluene	10.12	92	88554	18.982	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	53896	19.288	ug/l	95
54) cis-1,3-Dichloropropene	9.81	75	58004	19.111	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	38133	20.775	ug/l	97
56) Ethyl methacrylate	10.40	69	49332	19.477	ug/l	99
57) 1,3-Dichloropropane	10.68	76	64533	20.753	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	93438	96.456	ug/l	98
59) 2-Hexanone	10.72	43	145910	104.043	ug/l	99
60) Dibromochloromethane	10.87	129	39305	19.191	ug/l	98
61) 1,2-Dibromoethane	10.98	107	36718	19.158	ug/l	99
64) Tetrachloroethene	10.60	164	29508	18.910	ug/l	98
65) Chlorobenzene	11.41	112	95163	18.421	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	35172	19.521	ug/l	99
67) Ethyl Benzene	11.48	91	160752	18.559	ug/l	99
68) m/p-Xylenes	11.60	106	125260	37.504	ug/l	99
69) o-Xylene	11.92	106	60561	19.004	ug/l	100
70) Styrene	11.94	104	99398	18.628	ug/l	100
71) Bromoform	12.10	173	26157	19.910	ug/l #	99
73) Isopropylbenzene	12.22	105	154684	19.690	ug/l	100
74) N-amyl acetate	12.05	43	51075	19.917	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	55349	21.671	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	49066m	22.607	ug/l	
77) Bromobenzene	12.50	156	39538	19.949	ug/l	97
78) n-propylbenzene	12.57	91	174238	19.438	ug/l	99
79) 2-Chlorotoluene	12.65	91	106594	19.800	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	128091	19.708	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	15672	19.694	ug/l	98
82) 4-Chlorotoluene	12.75	91	107897	19.396	ug/l	99
83) tert-Butylbenzene	12.97	119	110127	19.987	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	129101	20.123	ug/l	100
85) sec-Butylbenzene	13.15	105	142676	19.784	ug/l	100
86) p-Isopropyltoluene	13.26	119	126527	19.689	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	68174	18.860	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	67397	18.215	ug/l	97
89) n-Butylbenzene	13.59	91	96765	18.030	ug/l	98
90) Hexachloroethane	13.85	117	23693	20.141	ug/l	93
91) 1,2-Dichlorobenzene	13.63	146	68685	19.737	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	8807	21.240	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	27992	17.046	ug/l	98
94) Hexachlorobutadiene	14.98	225	12199	18.862	ug/l	97
95) Naphthalene	15.11	128	81726	17.310	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	29883	18.375	ug/l	97

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

