

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052820\
 Data File : VN061539.D
 Acq On : 28 May 2020 18:09
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/29/2020 5:46:45 PM

Quant Time: May 29 01:53:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 01:43:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	386176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	653780	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	605850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	271941	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	23604	4.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.46%	
35) Dibromofluoromethane	7.55	113	18593	5.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.80%	
50) Toluene-d8	10.06	98	69564	4.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.74%	
62) 4-Bromofluorobenzene	12.38	95	26401	4.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	17287	5.101	ug/l	98
3) Chloromethane	2.03	50	24157	4.649	ug/l	98
4) Vinyl Chloride	2.16	62	33139	4.520	ug/l	95
5) Bromomethane	2.53	94	19724	4.847	ug/l	98
6) Chloroethane	2.67	64	22625	4.609	ug/l	97
7) Trichlorofluoromethane	2.98	101	46508	5.171	ug/l	96
8) Diethyl Ether	3.37	74	14859	5.662	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	20694	5.525	ug/l	98
10) Methyl Iodide	3.91	142	26577	5.615	ug/l	97
11) Tert butyl alcohol	4.73	59	17230	26.667	ug/l	98
12) 1,1-Dichloroethene	3.69	96	22215	5.625	ug/l	94
13) Acrolein	3.56	56	12282	26.681	ug/l	97
14) Allyl chloride	4.28	41	29822	4.835	ug/l	98
15) Acrylonitrile	4.93	53	45573	23.770	ug/l	98
16) Acetone	3.78	43	44942	26.262	ug/l	97
17) Carbon Disulfide	4.01	76	47723	4.923	ug/l	98
18) Methyl Acetate	4.28	43	21773	4.940	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	75435	5.133	ug/l	98
20) Methylene Chloride	4.50	84	31342	6.710	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	24639	5.472	ug/l	97
22) Diisopropyl ether	5.90	45	63124	4.540	ug/l	95
23) Vinyl Acetate	5.84	43	252630	22.853	ug/l	99
24) 1,1-Dichloroethane	5.80	63	40807	4.986	ug/l	98
25) 2-Butanone	6.78	43	62233	24.510	ug/l	97
26) 2,2-Dichloropropane	6.78	77	39050	5.034	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	28614	5.387	ug/l	97
28) Bromochloromethane	7.15	49	17533	5.180	ug/l	98
29) Tetrahydrofuran	7.17	42	39075	23.238	ug/l	99
30) Chloroform	7.33	83	43858	5.103	ug/l	97
31) Cyclohexane	7.61	56	39770	5.112	ug/l #	83
32) 1,1,1-Trichloroethane	7.53	97	40206	5.113	ug/l	98
36) 1,1-Dichloropropene	7.75	75	30908	5.131	ug/l	99
37) Ethyl Acetate	6.88	43	25828	4.738	ug/l #	93
38) Carbon Tetrachloride	7.73	117	29275	5.253	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.05	83	36803	4.991	ug/l	95
40) Benzene	8.00	78	96813	5.324	ug/l	100
41) Methacrylonitrile	7.12	41	11025	4.919	ug/l #	93
42) 1,2-Dichloroethane	8.09	62	32648	5.036	ug/l	89
43) Isopropyl Acetate	8.13	43	46108	4.887	ug/l #	91
44) Trichloroethene	8.80	130	28229	5.739	ug/l	95
45) 1,2-Dichloropropane	9.08	63	24028	5.318	ug/l	100
46) Dibromomethane	9.18	93	16772	5.220	ug/l	98
47) Bromodichloromethane	9.37	83	35587	5.313	ug/l	99
48) Methyl methacrylate	9.17	41	19741	4.557	ug/l	95
49) 1,4-Dioxane	9.17	88	6156	113.479	ug/l #	94
51) 4-Methyl-2-Pentanone	9.95	43	129053	25.068	ug/l	98
52) Toluene	10.12	92	61338	5.236	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	36269	4.963	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	40786	5.222	ug/l	96
55) 1,1,2-Trichloroethane	10.54	97	25602	5.759	ug/l	98
56) Ethyl methacrylate	10.40	69	33400	4.865	ug/l	94
57) 1,3-Dichloropropane	10.68	76	39894	5.244	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	76120	25.279	ug/l	98
59) 2-Hexanone	10.72	43	91127	24.480	ug/l	98
60) Dibromochloromethane	10.87	129	27270	5.502	ug/l	99
61) 1,2-Dibromoethane	10.98	107	25967	5.541	ug/l	99
64) Tetrachloroethene	10.60	164	29171	6.034	ug/l	97
65) Chlorobenzene	11.41	112	68126	5.530	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.49	131	24885	5.599	ug/l	97
67) Ethyl Benzene	11.48	91	119138	5.363	ug/l	97
68) m/p-Xylenes	11.60	106	93762	11.043	ug/l	96
69) o-Xylene	11.92	106	43768	5.326	ug/l	96
70) Styrene	11.94	104	68825	5.067	ug/l	97
71) Bromoform	12.10	173	18746	5.898	ug/l #	99
73) Isopropylbenzene	12.22	105	115448	5.402	ug/l	100
74) N-amyl acetate	12.05	43	36146	4.697	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	32755	5.567	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	29811m	5.266	ug/l	
77) Bromobenzene	12.50	156	27772	5.830	ug/l	91
78) n-propylbenzene	12.57	91	125750	5.195	ug/l	100
79) 2-Chlorotoluene	12.65	91	74928	5.218	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	94720	5.409	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	10511	4.886	ug/l	88
82) 4-Chlorotoluene	12.75	91	77961	5.245	ug/l	98
83) tert-Butylbenzene	12.97	119	82967	5.515	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	94194	5.376	ug/l	99
85) sec-Butylbenzene	13.15	105	108669	5.378	ug/l	97
86) p-Isopropyltoluene	13.27	119	98885	5.478	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	50133	5.797	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	49490	5.716	ug/l	92
89) n-Butylbenzene	13.59	91	80777	4.991	ug/l	97
90) Hexachloroethane	13.85	117	11386	4.838	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	48263	5.817	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	6516	5.481	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	24281	5.347	ug/l	98
94) Hexachlorobutadiene	14.99	225	12000	6.006	ug/l	98
95) Naphthalene	15.10	128	75240	5.229	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	24173	5.330	ug/l	96

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

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