

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061449.D
 Acq On : 18 May 2020 20:57
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/19/2020 4:24:48 PM

Quant Time: May 19 04:43:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	288997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	540287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	520152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	245412	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	221797	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
35) Dibromofluoromethane	7.55	113	144799	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.06	98	689268	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
62) 4-Bromofluorobenzene	12.37	95	262891	53.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	109653	45.632	ug/l	99
3) Chloromethane	2.03	50	173879	44.364	ug/l	98
4) Vinyl Chloride	2.16	62	262017	46.711	ug/l	99
5) Bromomethane	2.54	94	145985	51.593	ug/l	100
6) Chloroethane	2.67	64	172995	45.821	ug/l	98
7) Trichlorofluoromethane	2.98	101	301574	44.284	ug/l	96
8) Diethyl Ether	3.37	74	89214	44.976	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	129456	45.713	ug/l	99
10) Methyl Iodide	3.91	142	161630	46.990	ug/l	99
11) Tert butyl alcohol	4.72	59	106802	214.905	ug/l	100
12) 1,1-Dichloroethene	3.70	96	135514	45.746	ug/l	91
13) Acrolein	3.56	56	69495	191.481	ug/l	97
14) Allyl chloride	4.27	41	220663	45.772	ug/l	98
15) Acrylonitrile	4.93	53	338900	230.174	ug/l	99
16) Acetone	3.77	43	252392	227.714	ug/l	97
17) Carbon Disulfide	4.01	76	325682	51.323	ug/l	100
18) Methyl Acetate	4.27	43	137440	46.388	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	529883	47.136	ug/l	98
20) Methylene Chloride	4.50	84	163192	46.038	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	161546	47.293	ug/l	97
22) Diisopropyl ether	5.90	45	509694	47.049	ug/l	98
23) Vinyl Acetate	5.84	43	2058811	238.987	ug/l	99
24) 1,1-Dichloroethane	5.80	63	301874	47.774	ug/l	99
25) 2-Butanone	6.78	43	439833	223.969	ug/l	99
26) 2,2-Dichloropropane	6.78	77	265006	43.995	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	196606	48.726	ug/l	97
28) Bromochloromethane	7.15	49	136429	50.867	ug/l	98
29) Tetrahydrofuran	7.17	42	296365	227.872	ug/l	99
30) Chloroform	7.33	83	327814	49.671	ug/l	100
31) Cyclohexane	7.62	56	258258	46.211	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	295482	48.996	ug/l	99
36) 1,1-Dichloropropene	7.75	75	240369	47.579	ug/l	99
37) Ethyl Acetate	6.88	43	199381	43.518	ug/l	100
38) Carbon Tetrachloride	7.73	117	226457	48.681	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	248419	40.260	ug/l	98
40) Benzene	8.00	78	723188	47.502	ug/l	99
41) Methacrylonitrile	7.12	41	85634	44.253	ug/l	90
42) 1,2-Dichloroethane	8.08	62	262081	47.780	ug/l	100
43) Isopropyl Acetate	8.13	43	373363	46.724	ug/l	99
44) Trichloroethene	8.80	130	199918	50.115	ug/l	100
45) 1,2-Dichloropropane	9.08	63	184304	48.365	ug/l	100
46) Dibromomethane	9.17	93	128633	48.152	ug/l	98
47) Bromodichloromethane	9.37	83	272114	48.345	ug/l	98
48) Methyl methacrylate	9.17	41	165634	44.870	ug/l	99
49) 1,4-Dioxane	9.17	88	36083	926.580	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	1037381	238.313	ug/l	100
52) Toluene	10.12	92	479951	49.104	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	300016	48.632	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	314769	47.998	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	181457	49.104	ug/l	98
56) Ethyl methacrylate	10.40	69	289991	50.196	ug/l	98
57) 1,3-Dichloropropane	10.68	76	311801	48.824	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	649248	256.028	ug/l	99
59) 2-Hexanone	10.72	43	731948	232.413	ug/l	100
60) Dibromochloromethane	10.87	129	207278	50.709	ug/l	100
61) 1,2-Dibromoethane	10.98	107	195517	50.321	ug/l	99
64) Tetrachloroethene	10.60	164	194557	48.348	ug/l	98
65) Chlorobenzene	11.41	112	507495	47.845	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	185911	48.890	ug/l	99
67) Ethyl Benzene	11.48	91	933653	48.221	ug/l	99
68) m/p-Xylenes	11.60	106	717138	97.579	ug/l	99
69) o-Xylene	11.92	106	343532	48.303	ug/l	99
70) Styrene	11.94	104	597136	50.702	ug/l	99
71) Bromoform	12.10	173	132868	45.137	ug/l #	100
73) Isopropylbenzene	12.22	105	888967	45.122	ug/l	99
74) N-amyl acetate	12.04	43	335518	46.526	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	249183	45.971	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	238309m	45.255	ug/l	
77) Bromobenzene	12.50	156	210112	49.141	ug/l	96
78) n-propylbenzene	12.56	91	1017245	45.316	ug/l	100
79) 2-Chlorotoluene	12.65	91	612422	46.156	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	737096	45.693	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	88340	44.502	ug/l	99
82) 4-Chlorotoluene	12.75	91	646103	47.028	ug/l	99
83) tert-Butylbenzene	12.97	119	599571	43.391	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	743527	46.056	ug/l	98
85) sec-Butylbenzene	13.15	105	774693	41.462	ug/l	99
86) p-Isopropyltoluene	13.26	119	702275	42.327	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	375254	47.956	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	376850	48.088	ug/l	99
89) n-Butylbenzene	13.59	91	601398	39.898	ug/l	100
90) Hexachloroethane	13.85	117	91034	40.485	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	363940	48.486	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	49447	45.160	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	181879	44.688	ug/l	100
94) Hexachlorobutadiene	14.98	225	61580	34.053	ug/l	99
95) Naphthalene	15.10	128	646745	49.984	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	176915	43.665	ug/l	99

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

