

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070220\
 Data File : VN062360.D
 Acq On : 3 Jul 2020 2:09
 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

sam
 7/6/2020 11:34:26 AM

Quant Time: Jul 03 04:48:21 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	153082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	292678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	274761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	133127	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	129117	60.10	ug/l	0.00
Spiked Amount			Recovery	=	120.20%	
35) Dibromofluoromethane	7.55	113	96299	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
50) Toluene-d8	10.06	98	390280	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	
62) 4-Bromofluorobenzene	12.37	95	136457	53.81	ug/l	0.00
Spiked Amount			Recovery	=	107.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	76633	44.288	ug/l	100
3) Chloromethane	2.03	50	109590	53.902	ug/l	97
4) Vinyl Chloride	2.16	62	118821	43.605	ug/l	98
5) Bromomethane	2.52	94	77410	43.955	ug/l	100
6) Chloroethane	2.66	64	81572	43.822	ug/l	98
7) Trichlorofluoromethane	2.98	101	143206	42.651	ug/l	100
8) Diethyl Ether	3.37	74	66078	56.359	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.71	101	88453	50.306	ug/l	95
10) Methyl Iodide	3.91	142	108762	54.924	ug/l	100
11) Tert butyl alcohol	4.74	59	99847	323.714	ug/l	99
12) 1,1-Dichloroethene	3.69	96	88116	50.130	ug/l	93
13) Acrolein	3.56	56	68435	226.619	ug/l	98
14) Allyl chloride	4.27	41	144614	60.428	ug/l	97
15) Acrylonitrile	4.93	53	263952	314.036	ug/l	99
16) Acetone	3.77	43	210955	313.883	ug/l	95
17) Carbon Disulfide	4.00	76	242788	48.225	ug/l	99
18) Methyl Acetate	4.27	43	116317	68.112	ug/l	94
19) Methyl tert-butyl Ether	4.99	73	323950	57.676	ug/l	99
20) Methylene Chloride	4.50	84	110961	56.293	ug/l	93
21) trans-1,2-Dichloroethene	4.99	96	98684	49.282	ug/l	93
22) Diisopropyl ether	5.90	45	328850	60.351	ug/l	97
23) Vinyl Acetate	5.84	43	1372295	308.465	ug/l	97
24) 1,1-Dichloroethane	5.80	63	196878	56.109	ug/l	99
25) 2-Butanone	6.79	43	330046	314.318	ug/l	95
26) 2,2-Dichloropropane	6.78	77	126846	43.382	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	115588	51.298	ug/l	96
28) Bromochloromethane	7.15	49	86409	56.758	ug/l	89
29) Tetrahydrofuran	7.17	42	219545	319.187	ug/l	95
30) Chloroform	7.33	83	189910	53.196	ug/l	97
31) Cyclohexane	7.61	56	154357	52.007	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	156982	52.142	ug/l	97
36) 1,1-Dichloropropene	7.75	75	141484	48.093	ug/l	97
37) Ethyl Acetate	6.88	43	138367	56.801	ug/l	98
38) Carbon Tetrachloride	7.73	117	126015	45.435	ug/l	99

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39) Methylcyclohexane	9.05	83	151316	46.944	ug/l	95
40) Benzene	8.00	78	438490	48.902	ug/l	99
41) Methacrylonitrile	7.12	41	50026m	44.296	ug/l	
42) 1,2-Dichloroethane	8.09	62	154551	51.015	ug/l	99
43) Isopropyl Acetate	8.13	43	227703	57.340	ug/l #	91
44) Trichloroethene	8.80	130	98554	43.572	ug/l	94
45) 1,2-Dichloropropane	9.08	63	117892	53.294	ug/l	100
46) Dibromomethane	9.18	93	73543	49.034	ug/l	96
47) Bromodichloromethane	9.37	83	156124	51.554	ug/l	100
48) Methyl methacrylate	9.17	41	105941	59.500	ug/l	94
49) 1,4-Dioxane	9.17	88	45642	1155.920	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	706682	304.586	ug/l	97
52) Toluene	10.12	92	272289	49.769	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	170551	51.190	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	181970	51.301	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	110106	51.198	ug/l	97
56) Ethyl methacrylate	10.40	69	163555	56.986	ug/l	95
57) 1,3-Dichloropropane	10.68	76	194438	52.526	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	327966	267.212	ug/l	97
59) 2-Hexanone	10.72	43	522823	312.064	ug/l	96
60) Dibromochloromethane	10.87	129	114505	50.290	ug/l	98
61) 1,2-Dibromoethane	10.98	107	111117	50.284	ug/l	99
64) Tetrachloroethene	10.60	164	78315	41.726	ug/l	98
65) Chlorobenzene	11.40	112	287466	47.643	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	102595	49.172	ug/l	99
67) Ethyl Benzene	11.48	91	522061	51.231	ug/l	99
68) m/p-Xylenes	11.59	106	396586	100.619	ug/l	98
69) o-Xylene	11.92	106	188089	50.578	ug/l	96
70) Styrene	11.94	104	325894	52.547	ug/l	98
71) Bromoform	12.10	173	74156	49.989	ug/l #	97
73) Isopropylbenzene	12.22	105	505526	49.056	ug/l	99
74) N-amyl acetate	12.04	43	204855	53.735	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	172953	50.434	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	153973m	49.131	ug/l	
77) Bromobenzene	12.50	156	115480	45.137	ug/l	89
78) n-propylbenzene	12.56	91	597598	50.697	ug/l	98
79) 2-Chlorotoluene	12.65	91	353752	49.642	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	426744	51.083	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	53119	49.500	ug/l	94
82) 4-Chlorotoluene	12.75	91	363729	49.359	ug/l	98
83) tert-Butylbenzene	12.97	119	348267	48.714	ug/l	95
84) 1,2,4-Trimethylbenzene	13.01	105	421593	50.530	ug/l	99
85) sec-Butylbenzene	13.15	105	482218	51.045	ug/l	98
86) p-Isopropyltoluene	13.26	119	419266	50.657	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	211394	47.054	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	214033	46.218	ug/l	99
89) n-Butylbenzene	13.59	91	363261	52.792	ug/l	99
90) Hexachloroethane	13.85	117	80882	49.809	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	209953	48.193	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	29226	53.201	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	94055	49.421	ug/l	99
94) Hexachlorobutadiene	14.98	225	38321	46.360	ug/l	99
95) Naphthalene	15.10	128	293598	46.567	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	95938	49.300	ug/l	99

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

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