

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061451.D
 Acq On : 19 May 2020 00:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/19/2020 4:24:44 PM

Quant Time: May 19 04:45:38 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	7.62	168	246530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	475905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	460118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	212899	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	196139	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
35) Dibromofluoromethane	7.54	113	129370	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
50) Toluene-d8	10.06	98	558749	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
62) 4-Bromofluorobenzene	12.37	95	213532	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	85112	41.520	ug/l	98
3) Chloromethane	2.03	50	154838	46.311	ug/l	99
4) Vinyl Chloride	2.16	62	215051	44.942	ug/l	98
5) Bromomethane	2.54	94	137287	57.321	ug/l	98
6) Chloroethane	2.67	64	153922	47.792	ug/l	97
7) Trichlorofluoromethane	2.98	101	306903	52.829	ug/l	98
8) Diethyl Ether	3.37	74	88810	52.485	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	106564	44.111	ug/l	100
10) Methyl Iodide	3.91	142	148329	50.552	ug/l	99
11) Tert butyl alcohol	4.72	59	108891	256.852	ug/l	100
12) 1,1-Dichloroethene	3.69	96	113339	44.851	ug/l	93
13) Acrolein	3.56	56	72777	239.819	ug/l	98
14) Allyl chloride	4.27	41	186775	45.416	ug/l	93
15) Acrylonitrile	4.92	53	336892	268.224	ug/l	99
16) Acetone	3.77	43	245768	261.631	ug/l	100
17) Carbon Disulfide	4.01	76	275538	50.873	ug/l	99
18) Methyl Acetate	4.27	43	136646	54.245	ug/l	100
19) Methyl tert-butyl Ether	4.98	73	520985	54.328	ug/l	99
20) Methylene Chloride	4.50	84	152947	50.580	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	143936	49.396	ug/l	99
22) Diisopropyl ether	5.89	45	497871	53.874	ug/l	95
23) Vinyl Acetate	5.83	43	2033519	276.713	ug/l	98
24) 1,1-Dichloroethane	5.79	63	281376	52.201	ug/l	99
25) 2-Butanone	6.78	43	435581	260.012	ug/l	99
26) 2,2-Dichloropropane	6.77	77	216407	42.115	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	184418	53.579	ug/l	96
28) Bromochloromethane	7.15	49	139148	60.817	ug/l	97
29) Tetrahydrofuran	7.16	42	291582	262.813	ug/l	100
30) Chloroform	7.32	83	312872	55.573	ug/l	100
31) Cyclohexane	7.61	56	211734	44.290	ug/l	98
32) 1,1,1-Trichloroethane	7.52	97	256436	49.846	ug/l	99
36) 1,1-Dichloropropene	7.75	75	205140	46.099	ug/l	99
37) Ethyl Acetate	6.88	43	195228	48.377	ug/l	99
38) Carbon Tetrachloride	7.73	117	194653	47.505	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	215456	39.641	ug/l	96
40) Benzene	8.00	78	680899	50.774	ug/l	99
41) Methacrylonitrile	7.12	41	87662	51.430	ug/l	97
42) 1,2-Dichloroethane	8.08	62	261026	54.026	ug/l	100
43) Isopropyl Acetate	8.12	43	361082	51.300	ug/l	99
44) Trichloroethene	8.80	130	177174	50.422	ug/l	99
45) 1,2-Dichloropropane	9.08	63	178247	53.103	ug/l	99
46) Dibromomethane	9.17	93	127428	54.154	ug/l	98
47) Bromodichloromethane	9.37	83	264092	53.268	ug/l	98
48) Methyl methacrylate	9.16	41	166100	51.084	ug/l	99
49) 1,4-Dioxane	9.16	88	39354	1156.624	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	1006124	262.401	ug/l	99
52) Toluene	10.12	92	439397	51.036	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	289223	53.225	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	304314	52.682	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	184234	56.601	ug/l	99
56) Ethyl methacrylate	10.40	69	278547	54.737	ug/l	99
57) 1,3-Dichloropropane	10.68	76	310468	55.192	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	585695	262.212	ug/l	98
59) 2-Hexanone	10.72	43	715977	258.097	ug/l	100
60) Dibromochloromethane	10.87	129	202931	56.361	ug/l	100
61) 1,2-Dibromoethane	10.98	107	191950	56.086	ug/l	99
64) Tetrachloroethene	10.60	164	163092	45.817	ug/l	99
65) Chlorobenzene	11.40	112	468288	49.909	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	175956	52.309	ug/l	98
67) Ethyl Benzene	11.48	91	831932	48.573	ug/l	100
68) m/p-Xylenes	11.59	106	637171	98.010	ug/l	99
69) o-Xylene	11.92	106	312799	49.720	ug/l	99
70) Styrene	11.94	104	542986	52.120	ug/l	100
71) Bromoform	12.10	173	130799	50.004	ug/l #	99
73) Isopropylbenzene	12.22	105	783874	45.864	ug/l	100
74) N-amyl acetate	12.04	43	321994	51.469	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	241902	51.443	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	203887m	44.631	ug/l	
77) Bromobenzene	12.50	156	191235	51.557	ug/l	98
78) n-propylbenzene	12.56	91	886031	45.498	ug/l	99
79) 2-Chlorotoluene	12.65	91	546507	47.478	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	654548	46.772	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	84629	49.144	ug/l	97
82) 4-Chlorotoluene	12.75	91	584116	49.009	ug/l	100
83) tert-Butylbenzene	12.97	119	520170	43.394	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	674022	48.126	ug/l	99
85) sec-Butylbenzene	13.15	105	685033	42.262	ug/l	100
86) p-Isopropyltoluene	13.26	119	622007	43.215	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	337678	49.744	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	341970	50.302	ug/l	100
89) n-Butylbenzene	13.59	91	536217	41.007	ug/l	100
90) Hexachloroethane	13.85	117	87566	44.889	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	332219	51.019	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	49116	51.708	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	168654	47.767	ug/l	99
94) Hexachlorobutadiene	14.98	225	56375	35.935	ug/l	97
95) Naphthalene	15.10	128	597193	53.203	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	164330	46.753	ug/l	99

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

