

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050520\
 Data File : VN061284.D
 Acq On : 5 May 2020 11:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/6/2020 11:36:56 AM

Quant Time: May 06 04:05:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	111315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	190756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	178009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	86257	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	94787	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
35) Dibromofluoromethane	7.54	113	54850	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
50) Toluene-d8	10.06	98	254217	55.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.58%	
62) 4-Bromofluorobenzene	12.37	95	98546	56.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	57326	48.565	ug/l	99
3) Chloromethane	2.03	50	75766	52.997	ug/l	100
4) Vinyl Chloride	2.16	62	86215	53.096	ug/l	99
5) Bromomethane	2.53	94	36109	44.987	ug/l	100
6) Chloroethane	2.67	64	52918	51.417	ug/l	98
7) Trichlorofluoromethane	2.98	101	107283	58.562	ug/l	98
8) Diethyl Ether	3.37	74	42942	56.197	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	61588	52.184	ug/l	99
10) Methyl Iodide	3.90	142	64714	42.667	ug/l	99
11) Tert butyl alcohol	4.72	59	49639	210.383	ug/l	99
12) 1,1-Dichloroethene	3.69	96	58947	50.190	ug/l	99
13) Acrolein	3.56	56	43089	274.042	ug/l	98
14) Allyl chloride	4.27	41	126720	58.191	ug/l	99
15) Acrylonitrile	4.92	53	183749	253.695	ug/l	99
16) Acetone	3.77	43	157822	231.269	ug/l	99
17) Carbon Disulfide	4.01	76	132729	40.912	ug/l	100
18) Methyl Acetate	4.27	43	98083	44.194	ug/l	99
19) Methyl tert-butyl Ether	4.98	73	231181	51.514	ug/l	100
20) Methylene Chloride	4.49	84	68841	50.123	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	65147	50.941	ug/l	99
22) Diisopropyl ether	5.90	45	268103	53.091	ug/l	99
23) Vinyl Acetate	5.84	43	1060390	260.793	ug/l	99
24) 1,1-Dichloroethane	5.79	63	135804	51.471	ug/l	99
25) 2-Butanone	6.78	43	251117	240.939	ug/l	100
26) 2,2-Dichloropropane	6.77	77	118325	53.244	ug/l	100
27) cis-1,2-Dichloroethene	6.77	96	76137	50.731	ug/l	97
28) Bromochloromethane	7.14	49	69806	55.820	ug/l	98
29) Tetrahydrofuran	7.16	42	168742	240.346	ug/l	100
30) Chloroform	7.32	83	135110	50.532	ug/l	100
31) Cyclohexane	7.61	56	116073	45.300	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	116478	50.027	ug/l	100
36) 1,1-Dichloropropene	7.75	75	99513	52.113	ug/l	100
37) Ethyl Acetate	6.88	43	110353	49.295	ug/l	99
38) Carbon Tetrachloride	7.73	117	89335	51.217	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	104336	48.721	ug/l	99
40) Benzene	8.00	78	288937	50.788	ug/l	100
41) Methacrylonitrile	7.12	41	46243	49.752	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	114416	53.088	ug/l	99
43) Isopropyl Acetate	8.12	43	190486	51.271	ug/l	100
44) Trichloroethene	8.80	130	74544	48.471	ug/l	98
45) 1,2-Dichloropropane	9.08	63	79292	52.170	ug/l	99
46) Dibromomethane	9.17	93	50011	53.143	ug/l	99
47) Bromodichloromethane	9.37	83	109809	54.364	ug/l	100
48) Methyl methacrylate	9.16	41	85981	51.285	ug/l	97
49) 1,4-Dioxane	9.16	88	14341	753.576	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	567282	259.404	ug/l	100
52) Toluene	10.12	92	179388	52.350	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	123031	54.056	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	128098	53.237	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	70074	51.269	ug/l	100
56) Ethyl methacrylate	10.40	69	114781	48.290	ug/l	99
57) 1,3-Dichloropropane	10.68	76	127105	52.905	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	290609	262.673	ug/l	99
59) 2-Hexanone	10.72	43	404569	254.288	ug/l	100
60) Dibromochloromethane	10.87	129	75186	52.522	ug/l	100
61) 1,2-Dibromoethane	10.98	107	71506	52.196	ug/l	99
64) Tetrachloroethene	10.60	164	72323	46.910	ug/l	99
65) Chlorobenzene	11.40	112	184826	52.342	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	68337	54.072	ug/l	99
67) Ethyl Benzene	11.48	91	352892	53.386	ug/l	100
68) m/p-Xylenes	11.59	106	256804	106.138	ug/l	98
69) o-Xylene	11.92	106	121079	52.097	ug/l	96
70) Styrene	11.94	104	211596	54.397	ug/l	99
71) Bromoform	12.10	173	50507	54.377	ug/l #	100
73) Isopropylbenzene	12.22	105	333147	52.537	ug/l	100
74) N-amyl acetate	12.04	43	171658	53.459	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	101186	51.175	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	88562m	48.700	ug/l	
77) Bromobenzene	12.50	156	76076	51.971	ug/l	97
78) n-propylbenzene	12.56	91	401496	53.381	ug/l	100
79) 2-Chlorotoluene	12.65	91	232417	52.573	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	280375	53.422	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	37849	52.854	ug/l	99
82) 4-Chlorotoluene	12.75	91	249350	53.515	ug/l	99
83) tert-Butylbenzene	12.97	119	231215	52.247	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	284921	52.693	ug/l	99
85) sec-Butylbenzene	13.15	105	314789	52.173	ug/l	100
86) p-Isopropyltoluene	13.26	119	284648	52.362	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	141277	52.426	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	142481	51.748	ug/l	99
89) n-Butylbenzene	13.59	91	266655	53.507	ug/l	100
90) Hexachloroethane	13.85	117	33061	57.040	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	133873	51.811	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	19825	47.474	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	80157	50.944	ug/l	100
94) Hexachlorobutadiene	14.98	225	32407	49.301	ug/l	98
95) Naphthalene	15.10	128	237231	46.296	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	74563	47.998	ug/l	100

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

