

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050620\
 Data File : VN061321.D
 Acq On : 6 May 2020 19:41
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:36:41 AM

Quant Time: May 07 07:39:20 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	102276	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	180478	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	170189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	81772	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	83419	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
35) Dibromofluoromethane	7.55	113	44598	41.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.58%	
50) Toluene-d8	10.06	98	218199	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.38	95	83803	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	50165	46.254	ug/l	98
3) Chloromethane	2.03	50	65945	50.204	ug/l	100
4) Vinyl Chloride	2.16	62	75727	50.758	ug/l	100
5) Bromomethane	2.53	94	31161	42.254	ug/l	97
6) Chloroethane	2.67	64	46354	49.019	ug/l	100
7) Trichlorofluoromethane	2.98	101	96097	57.092	ug/l	98
8) Diethyl Ether	3.37	74	38212	54.427	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	54383	50.152	ug/l	99
10) Methyl Iodide	3.91	142	55280	39.668	ug/l	100
11) Tert butyl alcohol	4.73	59	61274	282.647	ug/l	99
12) 1,1-Dichloroethene	3.69	96	52673	48.812	ug/l	99
13) Acrolein	3.56	56	32481	224.833	ug/l	99
14) Allyl chloride	4.27	41	113173	56.563	ug/l	99
15) Acrylonitrile	4.93	53	181636	272.941	ug/l	99
16) Acetone	3.77	43	162700	260.178	ug/l	100
17) Carbon Disulfide	4.01	76	104176	34.949	ug/l	100
18) Methyl Acetate	4.27	43	97581	47.798	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	210293	51.001	ug/l	100
20) Methylene Chloride	4.50	84	61185	48.486	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	57067	48.566	ug/l	97
22) Diisopropyl ether	5.90	45	242202	52.201	ug/l	98
23) Vinyl Acetate	5.84	43	990938	265.251	ug/l	100
24) 1,1-Dichloroethane	5.79	63	121350	50.058	ug/l	100
25) 2-Butanone	6.78	43	262551	274.172	ug/l	100
26) 2,2-Dichloropropane	6.77	77	101527	49.722	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	68203	49.461	ug/l	100
28) Bromochloromethane	7.15	49	58469	50.886	ug/l	96
29) Tetrahydrofuran	7.16	42	174348	270.278	ug/l	99
30) Chloroform	7.32	83	120718	49.139	ug/l	99
31) Cyclohexane	7.61	56	102578	43.571	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	105157	49.156	ug/l	99
36) 1,1-Dichloropropene	7.75	75	88066	48.745	ug/l	99
37) Ethyl Acetate	6.88	43	110505	52.174	ug/l	100
38) Carbon Tetrachloride	7.73	117	82114	49.824	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	85222	42.062	ug/l	97
40) Benzene	8.00	78	257672	47.872	ug/l	99
41) Methacrylonitrile	7.13	41	54208	61.642	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	104090	51.047	ug/l	99
43) Isopropyl Acetate	8.12	43	183295	52.145	ug/l	99
44) Trichloroethene	8.80	130	63927	43.935	ug/l	100
45) 1,2-Dichloropropane	9.09	63	70616	49.108	ug/l	99
46) Dibromomethane	9.17	93	44963	50.500	ug/l	99
47) Bromodichloromethane	9.37	83	98126	51.346	ug/l	99
48) Methyl methacrylate	9.17	41	84584	53.325	ug/l	97
49) 1,4-Dioxane	9.16	88	17465	969.997	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	565981	273.548	ug/l	100
52) Toluene	10.12	92	158265	48.816	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	108294	50.291	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	112461	49.400	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	63529	49.127	ug/l	98
56) Ethyl methacrylate	10.40	69	108072	48.070	ug/l	99
57) 1,3-Dichloropropane	10.68	76	115136	50.653	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	271773	259.637	ug/l	100
59) 2-Hexanone	10.72	43	415541	276.058	ug/l	100
60) Dibromochloromethane	10.87	129	68954	50.912	ug/l	99
61) 1,2-Dibromoethane	10.98	107	65777	50.749	ug/l	100
64) Tetrachloroethene	10.60	164	60419	40.989	ug/l	99
65) Chlorobenzene	11.41	112	163255	48.358	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	61537	50.929	ug/l	100
67) Ethyl Benzene	11.48	91	312102	49.385	ug/l	99
68) m/p-Xylenes	11.60	106	227274	98.250	ug/l	98
69) o-Xylene	11.92	106	107649	48.447	ug/l	98
70) Styrene	11.94	104	186737	50.212	ug/l	99
71) Bromoform	12.10	173	47497	53.486	ug/l #	100
73) Isopropylbenzene	12.22	105	293894	48.889	ug/l	100
74) N-amyl acetate	12.04	43	161260	52.975	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	95418	50.905	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	85951m	49.856	ug/l	
77) Bromobenzene	12.50	156	66845	48.169	ug/l	94
78) n-propylbenzene	12.57	91	344536	48.320	ug/l	100
79) 2-Chlorotoluene	12.65	91	205054	48.927	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	245637	49.370	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	35638	52.496	ug/l	97
82) 4-Chlorotoluene	12.75	91	219174	49.619	ug/l	98
83) tert-Butylbenzene	12.97	119	201862	48.116	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	246994	48.184	ug/l	100
85) sec-Butylbenzene	13.15	105	267177	46.711	ug/l	99
86) p-Isopropyltoluene	13.26	119	240086	46.587	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	123020	48.155	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	123905	47.469	ug/l	100
89) n-Butylbenzene	13.59	91	218511	46.251	ug/l	99
90) Hexachloroethane	13.85	117	32997	59.649	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	119423	48.754	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	21414	54.092	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	69278	46.445	ug/l	99
94) Hexachlorobutadiene	14.99	225	26522	42.561	ug/l	96
95) Naphthalene	15.10	128	230329	47.415	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	65512	44.485	ug/l	98

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

