

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050420\
 Data File : VN061282.D
 Acq On : 4 May 2020 16:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/5/2020 11:36:23 AM

Quant Time: May 05 05:05:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	108638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	185891	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	176336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	86400	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	84607	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	7.55	113	49634	45.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.30%	
50) Toluene-d8	10.06	98	225147	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.38	95	87015	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.83	85	56454	49.004	ug/l	99
3) Chloromethane	2.03	50	75528	54.133	ug/l	98
4) Vinyl Chloride	2.16	62	84360	53.233	ug/l	99
5) Bromomethane	2.53	94	34073	43.497	ug/l	99
6) Chloroethane	2.67	64	50779	50.554	ug/l	100
7) Trichlorofluoromethane	2.98	101	102977	57.596	ug/l	98
8) Diethyl Ether	3.37	74	41117	55.135	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	59401	51.571	ug/l	99
10) Methyl Iodide	3.91	142	63190	42.688	ug/l	100
11) Tert butyl alcohol	4.73	59	81817	355.306	ug/l	100
12) 1,1-Dichloroethene	3.70	96	57037	49.761	ug/l	99
13) Acrolein	3.56	56	49615	323.322	ug/l	95
14) Allyl chloride	4.27	41	126137	59.350	ug/l	97
15) Acrylonitrile	4.93	53	217869	308.215	ug/l	99
16) Acetone	3.77	43	200226	302.332	ug/l	99
17) Carbon Disulfide	4.01	76	129213	40.809	ug/l	100
18) Methyl Acetate	4.27	43	115436	53.155	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	225136	51.403	ug/l	99
20) Methylene Chloride	4.50	84	66017	49.252	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	62301	49.916	ug/l	98
22) Diisopropyl ether	5.90	45	259225	52.598	ug/l	96
23) Vinyl Acetate	5.84	43	1091707	275.111	ug/l	100
24) 1,1-Dichloroethane	5.80	63	130648	50.737	ug/l	100
25) 2-Butanone	6.78	43	321671	316.238	ug/l	100
26) 2,2-Dichloropropane	6.77	77	109993	50.714	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	73328	50.064	ug/l	99
28) Bromochloromethane	7.15	49	63507	52.034	ug/l	96
29) Tetrahydrofuran	7.17	42	214453	312.981	ug/l	98
30) Chloroform	7.33	83	128504	49.245	ug/l	98
31) Cyclohexane	7.61	56	113517	45.394	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	111896	49.243	ug/l	100
36) 1,1-Dichloropropene	7.75	75	94930	51.014	ug/l	100
37) Ethyl Acetate	6.88	43	128358	58.838	ug/l	100
38) Carbon Tetrachloride	7.73	117	85148	50.145	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	99959	47.899	ug/l	98
40) Benzene	8.00	78	277818	50.112	ug/l	99
41) Methacrylonitrile	7.12	41	53718m	59.306	ug/l	
42) 1,2-Dichloroethane	8.08	62	109173	51.981	ug/l	100
43) Isopropyl Acetate	8.13	43	206538	57.047	ug/l	99
44) Trichloroethene	8.80	130	70869	47.287	ug/l	99
45) 1,2-Dichloropropane	9.08	63	75730	51.130	ug/l	99
46) Dibromomethane	9.17	93	47725	52.041	ug/l	100
47) Bromodichloromethane	9.37	83	104560	53.120	ug/l	99
48) Methyl methacrylate	9.17	41	94661	57.940	ug/l	98
49) 1,4-Dioxane	9.17	88	21843	1177.822	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	672008	315.335	ug/l	100
52) Toluene	10.13	92	171136	51.249	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	115969	52.287	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	122220	52.124	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	68808	51.660	ug/l	99
56) Ethyl methacrylate	10.40	69	118607	51.041	ug/l	99
57) 1,3-Dichloropropane	10.68	76	123289	52.660	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	287784	266.927	ug/l	99
59) 2-Hexanone	10.72	43	515049	332.201	ug/l	100
60) Dibromochloromethane	10.87	129	73626	52.778	ug/l	98
61) 1,2-Dibromoethane	10.98	107	69752	52.249	ug/l	97
64) Tetrachloroethene	10.60	164	67472	44.178	ug/l	98
65) Chlorobenzene	11.41	112	176961	50.590	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	65483	52.305	ug/l	99
67) Ethyl Benzene	11.48	91	339071	51.782	ug/l	99
68) m/p-Xylenes	11.60	106	245610	102.475	ug/l	97
69) o-Xylene	11.92	106	118065	51.282	ug/l	98
70) Styrene	11.94	104	203981	52.937	ug/l	99
71) Bromoform	12.10	173	50833	55.247	ug/l #	99
73) Isopropylbenzene	12.22	105	324492	51.088	ug/l	100
74) N-amyl acetate	12.04	43	185606	57.707	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	106345	53.695	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	98910m	54.300	ug/l	
77) Bromobenzene	12.50	156	73454	50.097	ug/l	96
78) n-propylbenzene	12.57	91	384885	51.088	ug/l	99
79) 2-Chlorotoluene	12.65	91	223636	50.503	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	265583	50.520	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	40311	56.199	ug/l	98
82) 4-Chlorotoluene	12.75	91	239866	51.395	ug/l	98
83) tert-Butylbenzene	12.97	119	223634	50.450	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	272784	50.365	ug/l	99
85) sec-Butylbenzene	13.15	105	300891	49.787	ug/l	99
86) p-Isopropyltoluene	13.26	119	272806	50.101	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	137265	50.853	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	137638	49.906	ug/l	100
89) n-Butylbenzene	13.59	91	254527	50.989	ug/l	100
90) Hexachloroethane	13.85	117	32486	56.100	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	129634	50.088	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	24533	58.651	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	75494	47.901	ug/l	99
94) Hexachlorobutadiene	14.98	225	27727	42.111	ug/l	99
95) Naphthalene	15.10	128	249932	48.694	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	68311	43.901	ug/l	100

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

