

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022120\
 Data File : VN060179.D
 Acq On : 21 Feb 2020 10:20
 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
 2/24/2020 11:41:02 AM

Quant Time: Feb 21 22:33:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	189000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	298210	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	281908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144159	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	115666	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
35) Dibromofluoromethane	7.56	113	90186	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
50) Toluene-d8	10.08	98	352374	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
62) 4-Bromofluorobenzene	12.39	95	134382	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	93420	49.451	ug/l	99
3) Chloromethane	2.04	50	107586	47.855	ug/l	98
4) Vinyl Chloride	2.17	62	124205	48.469	ug/l	100
5) Bromomethane	2.54	94	78163	49.745	ug/l	97
6) Chloroethane	2.68	64	65131	50.251	ug/l	97
7) Trichlorofluoromethane	3.00	101	163699	49.547	ug/l	99
8) Diethyl Ether	3.38	74	58006	52.743	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	91765	50.027	ug/l	99
10) Methyl Iodide	3.93	142	127357	51.580	ug/l	99
11) Tert butyl alcohol	4.73	59	87006	252.811	ug/l	99
12) 1,1-Dichloroethene	3.71	96	89354	50.004	ug/l	97
13) Acrolein	3.57	56	96543	283.803	ug/l	97
14) Allyl chloride	4.29	41	135221	51.413	ug/l	96
15) Acrylonitrile	4.94	53	228579	271.965	ug/l	99
16) Acetone	3.78	43	243622	242.854	ug/l	99
17) Carbon Disulfide	4.03	76	252861	46.947	ug/l	100
18) Methyl Acetate	4.28	43	105333	55.896	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	308640	51.360	ug/l	99
20) Methylene Chloride	4.52	84	100695	50.313	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	99455	51.058	ug/l	97
22) Diisopropyl ether	5.91	45	308272	53.482	ug/l	96
23) Vinyl Acetate	5.86	43	1307012	270.017	ug/l	98
24) 1,1-Dichloroethane	5.82	63	180589	51.718	ug/l	99
25) 2-Butanone	6.80	43	333661	264.463	ug/l	98
26) 2,2-Dichloropropane	6.79	77	169834	51.208	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	116376	51.050	ug/l	99
28) Bromochloromethane	7.17	49	72083	52.510	ug/l	99
29) Tetrahydrofuran	7.18	42	203333	262.704	ug/l	98
30) Chloroform	7.34	83	189884	51.913	ug/l	98
31) Cyclohexane	7.63	56	160467	49.333	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	171374	51.270	ug/l	99
36) 1,1-Dichloropropene	7.77	75	142375	51.545	ug/l	99
37) Ethyl Acetate	6.89	43	130629	52.328	ug/l	99
38) Carbon Tetrachloride	7.75	117	151116	50.375	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	173467	50.592	ug/l	98
40) Benzene	8.02	78	415405	50.699	ug/l	100
41) Methacrylonitrile	7.14	41	55363m	52.883	ug/l	
42) 1,2-Dichloroethane	8.10	62	151546	52.772	ug/l	98
43) Isopropyl Acetate	8.14	43	227005	53.196	ug/l	99
44) Trichloroethene	8.81	130	115411	50.870	ug/l	100
45) 1,2-Dichloropropane	9.10	63	109797	54.127	ug/l	99
46) Dibromomethane	9.19	93	74790	52.173	ug/l	98
47) Bromodichloromethane	9.38	83	152322	52.265	ug/l	98
48) Methyl methacrylate	9.18	41	100531	52.508	ug/l	97
49) 1,4-Dioxane	9.18	88	34958	1068.639	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	667860	270.390	ug/l	99
52) Toluene	10.14	92	273023	51.963	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	176433	53.632	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	182351	52.641	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	107734	52.558	ug/l	99
56) Ethyl methacrylate	10.42	69	158546	54.676	ug/l	99
57) 1,3-Dichloropropane	10.69	76	175326	51.836	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	387126	286.571	ug/l	99
59) 2-Hexanone	10.74	43	509437	267.001	ug/l	100
60) Dibromochloromethane	10.89	129	122052	51.887	ug/l	99
61) 1,2-Dibromoethane	10.99	107	112287	52.256	ug/l	99
64) Tetrachloroethene	10.62	164	108513	50.635	ug/l	98
65) Chlorobenzene	11.42	112	294346	51.249	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	112651	51.848	ug/l	99
67) Ethyl Benzene	11.50	91	537659	51.904	ug/l	100
68) m/p-Xylenes	11.61	106	406447	104.544	ug/l	99
69) o-Xylene	11.94	106	193723	51.752	ug/l	99
70) Styrene	11.96	104	324916	53.826	ug/l	100
71) Bromoform	12.12	173	92914	53.168	ug/l #	99
73) Isopropylbenzene	12.24	105	534209	49.624	ug/l	100
74) N-amyl acetate	12.06	43	207239	53.387	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	155189	50.084	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	136112m	49.350	ug/l	
77) Bromobenzene	12.52	156	133190	49.855	ug/l	98
78) n-propylbenzene	12.59	91	619717	50.528	ug/l	100
79) 2-Chlorotoluene	12.67	91	358247	49.695	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	452419	50.546	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	59006	52.383	ug/l	100
82) 4-Chlorotoluene	12.77	91	378839	51.221	ug/l	99
83) tert-Butylbenzene	12.99	119	390274	49.290	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	451066	51.052	ug/l	100
85) sec-Butylbenzene	13.17	105	528668	50.416	ug/l	99
86) p-Isopropyltoluene	13.28	119	484440	50.990	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	243418	51.474	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	240696	50.908	ug/l	99
89) n-Butylbenzene	13.61	91	437616	52.368	ug/l	100
90) Hexachloroethane	13.87	117	87449	49.269	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	232712	50.284	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32259	48.947	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	145189	53.393	ug/l	100
94) Hexachlorobutadiene	15.01	225	78477	49.297	ug/l	99
95) Naphthalene	15.13	128	367996	50.098	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	137544	50.792	ug/l	100

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

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