

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055001.D
 Acq On : 12 Apr 2019 16:05
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 1:58:09 PM

Quant Time: Apr 13 03:19:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 02:20:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	433683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	698427	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	622025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	266798	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	288800	50.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.32%	
35) Dibromofluoromethane	7.59	113	234001	51.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.96%	
50) Toluene-d8	10.09	98	861176	50.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.40	95	285812	50.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	245474	48.023	ug/l	100
3) Chloromethane	2.06	50	310862	46.128	ug/l	100
4) Vinyl Chloride	2.19	62	260522	44.586	ug/l	100
5) Bromomethane	2.56	94	145598	43.560	ug/l	100
6) Chloroethane	2.71	64	141532	43.281	ug/l	100
7) Trichlorofluoromethane	3.02	101	322326	45.225	ug/l	100
8) Diethyl Ether	3.41	74	105748	46.283	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	167179	44.318	ug/l	100
10) Methyl Iodide	3.94	142	253292	47.645	ug/l	100
11) Tert butyl alcohol	4.82	59	82718	272.373	ug/l	100
12) 1,1-Dichloroethene	3.73	96	162103	43.431	ug/l	100
13) Acrolein	3.61	56	103236	260.235	ug/l	100
14) Allyl chloride	4.31	41	413841	49.362	ug/l	100
15) Acrylonitrile	5.00	53	475920	265.853	ug/l	100
16) Acetone	3.82	43	360904	224.935	ug/l	100
17) Carbon Disulfide	4.04	76	536738	45.168	ug/l	100
18) Methyl Acetate	4.33	43	218039	50.204	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	617550	49.981	ug/l	100
20) Methylene Chloride	4.54	84	252328	47.679	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	225147	47.775	ug/l	100
22) Diisopropyl ether	5.96	45	860617	49.798	ug/l	100
23) Vinyl Acetate	5.90	43	3108842	258.213	ug/l	100
24) 1,1-Dichloroethane	5.85	63	447034	47.585	ug/l	100
25) 2-Butanone	6.85	43	605644	279.838	ug/l	100
26) 2,2-Dichloropropane	6.82	77	298158	45.569	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	260628	48.562	ug/l	100
28) Bromochloromethane	7.19	49	216803	48.873	ug/l	100
29) Tetrahydrofuran	7.22	42	396014	276.763	ug/l	100
30) Chloroform	7.37	83	429920	48.226	ug/l	100
31) Cyclohexane	7.65	56	420962	39.263	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	348348	46.497	ug/l	100
36) 1,1-Dichloropropene	7.79	75	319004	46.762	ug/l	100
37) Ethyl Acetate	6.94	43	258367	53.889	ug/l	100
38) Carbon Tetrachloride	7.77	117	295728	45.042	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	366084	48.704	ug/l	100
40) Benzene	8.04	78	975446	49.406	ug/l	100
41) Methacrylonitrile	7.18	41	144270	52.785	ug/l	100
42) 1,2-Dichloroethane	8.13	62	340921	49.038	ug/l	100
43) Isopropyl Acetate	8.17	43	435442	53.976	ug/l	100
44) Trichloroethene	8.83	130	248533	49.188	ug/l	100
45) 1,2-Dichloropropane	9.12	63	270998	49.253	ug/l	100
46) Dibromomethane	9.21	93	159641	50.743	ug/l	100
47) Bromodichloromethane	9.40	83	327066	49.875	ug/l	100
48) Methyl methacrylate	9.20	41	215915	53.234	ug/l	100
49) 1,4-Dioxane	9.21	88	47756	1143.887	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1259676	278.362	ug/l	100
52) Toluene	10.16	92	582758	50.162	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	305809	50.821	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	376183	51.089	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	220790	51.915	ug/l	100
56) Ethyl methacrylate	10.43	69	291945	52.709	ug/l	100
57) 1,3-Dichloropropane	10.71	76	381338	51.378	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	559312	256.931	ug/l	100
59) 2-Hexanone	10.75	43	790516	280.872	ug/l	100
60) Dibromochloromethane	10.90	129	228604	51.666	ug/l	100
61) 1,2-Dibromoethane	11.00	107	208655	52.324	ug/l	100
64) Tetrachloroethene	10.63	164	236972	47.578	ug/l	100
65) Chlorobenzene	11.43	112	604056	48.224	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	224680	48.983	ug/l	100
67) Ethyl Benzene	11.51	91	1097354	48.616	ug/l	100
68) m/p-Xylenes	11.62	106	811026	98.194	ug/l	100
69) o-Xylene	11.95	106	392614	48.815	ug/l	100
70) Styrene	11.96	104	665177	51.489	ug/l	100
71) Bromoform	12.13	173	143454	51.670	ug/l	100
73) Isopropylbenzene	12.25	105	1054171	47.092	ug/l	100
74) N-amyl acetate	12.07	43	338053	53.928	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	275680	49.403	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	253009m	52.507	ug/l	
77) Bromobenzene	12.52	156	259820	47.865	ug/l	100
78) n-propylbenzene	12.59	91	1185410	48.049	ug/l	100
79) 2-Chlorotoluene	12.67	91	713962	46.695	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	871110	47.416	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	57681	50.171	ug/l	100
82) 4-Chlorotoluene	12.77	91	701512	48.514	ug/l	100
83) tert-Butylbenzene	12.99	119	741064	47.293	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	862097	48.540	ug/l	100
85) sec-Butylbenzene	13.17	105	970257	47.870	ug/l	100
86) p-Isopropyltoluene	13.29	119	852350	48.854	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	431955	48.002	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	420169	48.983	ug/l	100
89) n-Butylbenzene	13.61	91	692937	50.047	ug/l	100
90) Hexachloroethane	13.87	117	136024	46.873	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	427289	48.215	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39314	50.626	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	203062	52.115	ug/l	100
94) Hexachlorobutadiene	15.01	225	135539	45.645	ug/l	100
95) Naphthalene	15.13	128	446212	51.853	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	206344	50.969	ug/l	100

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

