

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071219\
 Data File : VN056676.D
 Acq On : 11 Jul 2019 19:38
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/12/2019 5:33:04 PM

Quant Time: Jul 12 09:44:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	286256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	442765	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	401489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	188286	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	162567	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
35) Dibromofluoromethane	7.59	113	143097	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
50) Toluene-d8	10.09	98	532467	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.40	95	192366	53.69	ug/l	0.00
Spiked Amount			Recovery	=	107.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	104462	43.097	ug/l	99
3) Chloromethane	2.06	50	139404	42.239	ug/l	98
4) Vinyl Chloride	2.18	62	142947	44.844	ug/l	99
5) Bromomethane	2.53	94	81272m	43.490	ug/l	
6) Chloroethane	2.68	64	85412	46.269	ug/l	100
7) Trichlorofluoromethane	3.00	101	198954	48.250	ug/l	100
8) Diethyl Ether	3.41	74	85166	48.803	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	125908	47.882	ug/l	100
10) Methyl Iodide	3.95	142	155873	43.859	ug/l	98
11) Tert butyl alcohol	4.79	59	143197	267.985	ug/l	98
12) 1,1-Dichloroethene	3.73	96	117704	46.547	ug/l	99
13) Acrolein	3.60	56	81643	181.285	ug/l	99
14) Allyl chloride	4.32	41	216454	51.421	ug/l	98
15) Acrylonitrile	4.99	53	405563	274.350	ug/l	99
16) Acetone	3.82	43	323402	203.459	ug/l	99
17) Carbon Disulfide	4.05	76	219342	38.136	ug/l	100
18) Methyl Acetate	4.32	43	177129	57.018	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	440314	52.622	ug/l	100
20) Methylene Chloride	4.55	84	151585	50.599	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	126063	46.239	ug/l	96
22) Diisopropyl ether	5.95	45	485240	54.889	ug/l	97
23) Vinyl Acetate	5.89	43	1957570	280.749	ug/l	100
24) 1,1-Dichloroethane	5.85	63	263838	51.991	ug/l	99
25) 2-Butanone	6.84	43	540386	256.870	ug/l	99
26) 2,2-Dichloropropane	6.82	77	176527	50.015	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	164208	51.481	ug/l	99
28) Bromochloromethane	7.19	49	129753	51.693	ug/l	100
29) Tetrahydrofuran	7.21	42	366609	285.165	ug/l	98
30) Chloroform	7.37	83	267316	53.384	ug/l	98
31) Cyclohexane	7.65	56	212172	43.308	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	213522	53.795	ug/l	100
36) 1,1-Dichloropropene	7.79	75	182845	46.918	ug/l	99
37) Ethyl Acetate	6.93	43	213517	55.751	ug/l	99
38) Carbon Tetrachloride	7.77	117	175302	51.439	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	212243	44.137	ug/l	99
40) Benzene	8.04	78	591065	49.307	ug/l	99
41) Methacrylonitrile	7.17	41	94660	55.973	ug/l	94
42) 1,2-Dichloroethane	8.12	62	197994	50.047	ug/l	100
43) Isopropyl Acetate	8.16	43	336192	56.928	ug/l	99
44) Trichloroethene	8.83	130	159075	49.262	ug/l	98
45) 1,2-Dichloropropane	9.12	63	168639	52.603	ug/l	99
46) Dibromomethane	9.21	93	104359	52.030	ug/l	99
47) Bromodichloromethane	9.40	83	200432	56.344	ug/l	98
48) Methyl methacrylate	9.20	41	168349	56.886	ug/l	96
49) 1,4-Dioxane	9.20	88	72521	1180.857	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1115030	292.531	ug/l	100
52) Toluene	10.15	92	364907	49.790	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	211916	51.081	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	236667	55.247	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	161063	54.673	ug/l	99
56) Ethyl methacrylate	10.43	69	247502	57.489	ug/l	99
57) 1,3-Dichloropropane	10.71	76	267954	54.143	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	576876	372.981	ug/l	99
59) 2-Hexanone	10.75	43	805755	287.622	ug/l	99
60) Dibromochloromethane	10.90	129	163072	53.671	ug/l	100
61) 1,2-Dibromoethane	11.00	107	161696	53.741	ug/l	98
64) Tetrachloroethene	10.63	164	153419	48.253	ug/l	99
65) Chlorobenzene	11.43	112	404747	50.171	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	154179	56.547	ug/l	100
67) Ethyl Benzene	11.51	91	708612	50.025	ug/l	99
68) m/p-Xylenes	11.62	106	533091	102.691	ug/l	99
69) o-Xylene	11.95	106	261765	50.968	ug/l	100
70) Styrene	11.96	104	453156	55.201	ug/l	100
71) Bromoform	12.13	173	121093	54.734	ug/l #	99
73) Isopropylbenzene	12.25	105	701792	49.603	ug/l	100
74) N-amyl acetate	12.07	43	285347	47.618	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	238016	54.650	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	209458m	53.650	ug/l	
77) Bromobenzene	12.53	156	187301	44.489	ug/l	96
78) n-propylbenzene	12.59	91	783998	45.469	ug/l	100
79) 2-Chlorotoluene	12.67	91	476579	50.428	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	598237	50.509	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	64966	59.142	ug/l	92
82) 4-Chlorotoluene	12.77	91	471504	46.314	ug/l	100
83) tert-Butylbenzene	12.99	119	512941	49.659	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	598110	47.187	ug/l	100
85) sec-Butylbenzene	13.17	105	678199	44.751	ug/l	100
86) p-Isopropyltoluene	13.29	119	620991	47.746	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	316176	49.556	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	303849	49.174	ug/l	100
89) n-Butylbenzene	13.61	91	508645	51.660	ug/l	100
90) Hexachloroethane	13.87	117	97111	47.892	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	321663	50.815	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40977	58.817	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	168335	50.946	ug/l	99
94) Hexachlorobutadiene	15.01	225	107173	49.958	ug/l	98
95) Naphthalene	15.13	128	449919	51.990	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	171982	50.319	ug/l	99

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

