

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100219\
 Data File : VN058475.D
 Acq On : 2 Oct 2019 15:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 1:35:39 PM

Quant Time: Oct 03 05:23:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	346076	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	579114	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	540764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	262172	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	258318	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
35) Dibromofluoromethane	7.57	113	188756	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
50) Toluene-d8	10.09	98	724998	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
62) 4-Bromofluorobenzene	12.40	95	269776	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	186547	49.160	ug/l	100
3) Chloromethane	2.03	50	217214	52.067	ug/l	100
4) Vinyl Chloride	2.17	62	211831	51.833	ug/l	99
5) Bromomethane	2.54	94	113449	52.263	ug/l	96
6) Chloroethane	2.68	64	130218	53.178	ug/l	94
7) Trichlorofluoromethane	2.99	101	263914	53.513	ug/l	100
8) Diethyl Ether	3.39	74	108448	50.965	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	172620	51.538	ug/l	98
10) Methyl Iodide	3.93	142	196855	53.006	ug/l	99
11) Tert butyl alcohol	4.76	59	174287	310.213	ug/l	98
12) 1,1-Dichloroethene	3.72	96	164458	50.375	ug/l	99
13) Acrolein	3.58	56	68956	385.885	ug/l	98
14) Allyl chloride	4.30	41	308035	51.847	ug/l	98
15) Acrylonitrile	4.96	53	487117	297.490	ug/l	100
16) Acetone	3.79	43	491940	285.348	ug/l	98
17) Carbon Disulfide	4.03	76	428852	49.833	ug/l	98
18) Methyl Acetate	4.30	43	234639	54.113	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	600914	52.167	ug/l	100
20) Methylene Chloride	4.53	84	199555	50.158	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	184361	50.782	ug/l	98
22) Diisopropyl ether	5.93	45	687556	53.778	ug/l	99
23) Vinyl Acetate	5.87	43	2854599	296.117	ug/l	99
24) 1,1-Dichloroethane	5.82	63	383821	53.343	ug/l	99
25) 2-Butanone	6.81	43	712078	300.836	ug/l	99
26) 2,2-Dichloropropane	6.80	77	303386	51.287	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	220982	52.080	ug/l	99
28) Bromochloromethane	7.18	49	157913	54.903	ug/l	96
29) Tetrahydrofuran	7.19	42	446670	297.322	ug/l	100
30) Chloroform	7.35	83	386804	53.050	ug/l	99
31) Cyclohexane	7.64	56	342570	48.945	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	323656	54.055	ug/l	99
36) 1,1-Dichloropropene	7.77	75	292257	52.778	ug/l	99
37) Ethyl Acetate	6.91	43	286049	60.928	ug/l	99
38) Carbon Tetrachloride	7.75	117	268102	53.638	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	341364	52.789	ug/l	98
40) Benzene	8.02	78	853654	53.631	ug/l	99
41) Methacrylonitrile	7.16	41	116768m	54.063	ug/l	
42) 1,2-Dichloroethane	8.11	62	330330	53.342	ug/l	99
43) Isopropyl Acetate	8.15	43	470318	53.273	ug/l	100
44) Trichloroethene	8.82	130	205073	52.178	ug/l	97
45) 1,2-Dichloropropane	9.11	63	236328	55.360	ug/l	98
46) Dibromomethane	9.20	93	148772	55.030	ug/l	97
47) Bromodichloromethane	9.39	83	298120	58.202	ug/l	99
48) Methyl methacrylate	9.19	41	235695	58.630	ug/l	98
49) 1,4-Dioxane	9.19	88	84931	1580.030	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1465857	323.241	ug/l	99
52) Toluene	10.15	92	529381	52.839	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	325420	58.370	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	353931	57.191	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	208528	57.162	ug/l	99
56) Ethyl methacrylate	10.43	69	320390	57.879	ug/l	98
57) 1,3-Dichloropropane	10.70	76	370092	56.876	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	645920	292.634	ug/l	98
59) 2-Hexanone	10.75	43	1074269	325.332	ug/l	99
60) Dibromochloromethane	10.90	129	213294	56.534	ug/l	99
61) 1,2-Dibromoethane	11.00	107	212345	56.967	ug/l	100
64) Tetrachloroethene	10.63	164	169401	49.307	ug/l	97
65) Chlorobenzene	11.43	112	560764	52.168	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	201438	55.621	ug/l	99
67) Ethyl Benzene	11.51	91	1052346	54.050	ug/l	98
68) m/p-Xylenes	11.62	106	769110	104.993	ug/l	97
69) o-Xylene	11.95	106	366270	51.941	ug/l	95
70) Styrene	11.97	104	635412	55.466	ug/l	99
71) Bromoform	12.13	173	135224	53.973	ug/l #	99
73) Isopropylbenzene	12.25	105	1018152	52.549	ug/l	100
74) N-amyl acetate	12.07	43	426791	55.370	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	320971	56.023	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	260609m	54.423	ug/l	
77) Bromobenzene	12.53	156	228694	50.339	ug/l	95
78) n-propylbenzene	12.59	91	1220836	55.929	ug/l	99
79) 2-Chlorotoluene	12.68	91	710437	52.730	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	879482	54.226	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	87758	55.660	ug/l	94
82) 4-Chlorotoluene	12.78	91	733654	53.364	ug/l	100
83) tert-Butylbenzene	13.00	119	739706	54.049	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	874456	53.813	ug/l	99
85) sec-Butylbenzene	13.18	105	1018632	56.549	ug/l	99
86) p-Isopropyltoluene	13.29	119	911792	57.504	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	431832	52.421	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	425094	51.866	ug/l	100
89) n-Butylbenzene	13.62	91	820060	57.095	ug/l	99
90) Hexachloroethane	13.88	117	144244	60.547	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	422456	53.373	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61744	61.113	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	243823	55.746	ug/l	100
94) Hexachlorobutadiene	15.01	225	125834	55.974	ug/l	100
95) Naphthalene	15.13	128	670414	52.341	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	234693	53.523	ug/l	98

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

