

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
 Data File : VN056943.D
 Acq On : 26 Jul 2019 12:42
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 9:13:27 AM

Quant Time: Jul 27 00:46:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 23:57:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	596771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	895061	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	823919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	386349	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	917563	149.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.04%	
35) Dibromofluoromethane	7.57	113	865784	152.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.06%	
50) Toluene-d8	10.08	98	3353647	155.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	311.06%	
62) 4-Bromofluorobenzene	12.39	95	1182725	168.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	336.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	999977	158.829	ug/l	98
3) Chloromethane	2.05	50	1221036	162.786	ug/l	100
4) Vinyl Chloride	2.18	62	1085464	152.691	ug/l	99
5) Bromomethane	2.51	94	632999	147.402	ug/l	98
6) Chloroethane	2.67	64	541775	137.528	ug/l	99
7) Trichlorofluoromethane	2.99	101	1351536	145.772	ug/l	100
8) Diethyl Ether	3.39	74	530784	152.897	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	821430	143.389	ug/l	100
10) Methyl Iodide	3.93	142	951627	114.911	ug/l	100
11) Tert butyl alcohol	4.77	59	636383	716.550	ug/l	99
12) 1,1-Dichloroethene	3.72	96	825554	149.958	ug/l	100
13) Acrolein	3.59	56	313951	641.763	ug/l	99
14) Allyl chloride	4.30	41	1390786	155.438	ug/l	100
15) Acrylonitrile	4.96	53	1988347	783.418	ug/l	98
16) Acetone	3.80	43	1660811	784.873	ug/l	100
17) Carbon Disulfide	4.03	76	2290551	155.119	ug/l	100
18) Methyl Acetate	4.30	43	1034020	140.614	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	2495585	153.463	ug/l	100
20) Methylene Chloride	4.53	84	940986	143.444	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	876109	148.792	ug/l	100
22) Diisopropyl ether	5.93	45	2767384	152.376	ug/l	97
23) Vinyl Acetate	5.87	43	10158692	807.497	ug/l	99
24) 1,1-Dichloroethane	5.83	63	1590143	148.785	ug/l	99
25) 2-Butanone	6.82	43	2497507	769.140	ug/l	98
26) 2,2-Dichloropropane	6.81	77	1253096	159.438	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	1012213	150.599	ug/l	98
28) Bromochloromethane	7.18	49	699800	142.687	ug/l	100
29) Tetrahydrofuran	7.19	42	1599591	753.072	ug/l	100
30) Chloroform	7.36	83	1553899	141.226	ug/l	100
31) Cyclohexane	7.63	56	1487379	143.073	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	1351173	153.627	ug/l	99
36) 1,1-Dichloropropene	7.78	75	1227093	151.912	ug/l	100
37) Ethyl Acetate	6.91	43	986523	148.756	ug/l	98
38) Carbon Tetrachloride	7.76	117	1190997	154.850	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	1572548	159.237	ug/l	99
40) Benzene	8.03	78	3739280	149.032	ug/l	99
41) Methacrylonitrile	7.16	41	511628	173.430	ug/l	88
42) 1,2-Dichloroethane	8.11	62	1132433	146.349	ug/l	100
43) Isopropyl Acetate	8.15	43	1671994	154.120	ug/l	99
44) Trichloroethene	8.82	130	1023274	150.045	ug/l	100
45) 1,2-Dichloropropane	9.11	63	1003730	149.205	ug/l	99
46) Dibromomethane	9.20	93	613426	150.984	ug/l	99
47) Bromodichloromethane	9.39	83	1252929	157.782	ug/l	100
48) Methyl methacrylate	9.19	41	823636	158.981	ug/l	99
49) 1,4-Dioxane	9.19	88	321564	2999.616	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	4890103	758.166	ug/l	100
52) Toluene	10.15	92	2331654	155.341	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	1396818	173.973	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	1567793	166.447	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	896433	148.367	ug/l	99
56) Ethyl methacrylate	10.42	69	1360448	166.834	ug/l	99
57) 1,3-Dichloropropane	10.70	76	1513559	153.311	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	2946691	910.072	ug/l	100
59) 2-Hexanone	10.74	43	3540276	798.907	ug/l	99
60) Dibromochloromethane	10.89	129	1025164	166.266	ug/l	99
61) 1,2-Dibromoethane	11.00	107	943247	157.783	ug/l	99
64) Tetrachloroethene	10.62	164	906360	123.153	ug/l	98
65) Chlorobenzene	11.43	112	2566685	150.998	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	963129	151.766	ug/l	99
67) Ethyl Benzene	11.50	91	4502477	153.897	ug/l	100
68) m/p-Xylenes	11.61	106	3373197	309.567	ug/l	99
69) o-Xylene	11.94	106	1636600	153.499	ug/l	100
70) Styrene	11.96	104	2886792	170.915	ug/l	99
71) Bromoform	12.12	173	750018	168.402	ug/l #	99
73) Isopropylbenzene	12.24	105	4368172	126.151	ug/l	100
74) N-amyl acetate	12.06	43	1455970	142.383	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	1195497	118.476	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	1003173m	132.609	ug/l	
77) Bromobenzene	12.52	156	1178968	132.950	ug/l	100
78) n-propylbenzene	12.59	91	4969194	135.816	ug/l	99
79) 2-Chlorotoluene	12.67	91	2938451	129.002	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3680224	128.694	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	397146	161.887	ug/l	97
82) 4-Chlorotoluene	12.77	91	2973329	142.242	ug/l	100
83) tert-Butylbenzene	12.99	119	3247716	128.722	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	3651967	135.027	ug/l	100
85) sec-Butylbenzene	13.17	105	4264458	133.849	ug/l	100
86) p-Isopropyltoluene	13.28	119	3914945	138.879	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1951120	147.268	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1914426	150.457	ug/l	99
89) n-Butylbenzene	13.61	91	3295865	151.274	ug/l	99
90) Hexachloroethane	13.87	117	687094	136.834	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1856065	138.198	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	197446	143.242	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	1054906	188.221	ug/l	100
94) Hexachlorobutadiene	15.00	225	638059	117.107	ug/l	98
95) Naphthalene	15.12	128	2586102	185.224	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	1048082	174.212	ug/l	99

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

