

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010519\
 Data File : VN053290.D
 Acq On : 4 Jan 2019 19:29
 Operator : MD\SY
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 10:24:20 AM

Quant Time: Jan 07 09:33:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:27:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	893341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1359371	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1279799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	633083	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1371120	149.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.82%	
35) Dibromofluoromethane	7.59	113	1200315	156.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	312.16%	
50) Toluene-d8	10.09	98	5075992	152.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.94%	
62) 4-Bromofluorobenzene	12.40	95	1846499	160.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	320.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1242892	153.244	ug/l	99
3) Chloromethane	2.06	50	1701183	158.253	ug/l	99
4) Vinyl Chloride	2.19	62	1601723	152.478	ug/l	100
5) Bromomethane	2.55	94	1074192	163.084	ug/l	99
6) Chloroethane	2.70	64	938490	153.837	ug/l	100
7) Trichlorofluoromethane	3.02	101	2017135	152.311	ug/l	100
8) Diethyl Ether	3.41	74	821002	154.856	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	1278764	153.532	ug/l	100
10) Methyl Iodide	3.96	142	2027967	164.262	ug/l	100
11) Tert butyl alcohol	4.78	59	428297	721.718	ug/l	100
12) 1,1-Dichloroethene	3.74	96	1269655	154.062	ug/l	99
13) Acrolein	3.61	56	550081	811.929	ug/l	99
14) Allyl chloride	4.33	41	2042655	158.339	ug/l	99
15) Acrylonitrile	4.99	53	2583966	763.318	ug/l	99
16) Acetone	3.81	43	1669920	738.996	ug/l	99
17) Carbon Disulfide	4.06	76	4009864	159.517	ug/l	100
18) Methyl Acetate	4.32	43	1227451	158.763	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	3600477	154.501	ug/l	99
20) Methylene Chloride	4.55	84	1465376	154.474	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	1368673	154.762	ug/l	99
22) Diisopropyl ether	5.95	45	4372167	151.204	ug/l	99
23) Vinyl Acetate	5.90	43	14362391	772.930	ug/l	99
24) 1,1-Dichloroethane	5.85	63	2526776	152.884	ug/l	100
25) 2-Butanone	6.83	43	2851537	750.819	ug/l	99
26) 2,2-Dichloropropane	6.83	77	1875552	157.090	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	1563881	153.173	ug/l	99
28) Bromochloromethane	7.20	49	1090801	148.493	ug/l	99
29) Tetrahydrofuran	7.21	42	1896167	749.069	ug/l	100
30) Chloroform	7.37	83	2448976	151.209	ug/l	99
31) Cyclohexane	7.65	56	2380048	152.700	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	2109091	155.839	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1968707	156.510	ug/l	100
37) Ethyl Acetate	6.93	43	1280934	153.078	ug/l	99
38) Carbon Tetrachloride	7.78	117	1860465	158.209	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	2319329	157.824	ug/l	100
40) Benzene	8.04	78	5913425	152.953	ug/l	100
41) Methacrylonitrile	7.18	41	801463m	168.037	ug/l	
42) 1,2-Dichloroethane	8.12	62	1731701	152.445	ug/l	100
43) Isopropyl Acetate	8.16	43	2322448	153.630	ug/l	99
44) Trichloroethene	8.84	130	1611805	152.915	ug/l	100
45) 1,2-Dichloropropane	9.12	63	1565700	154.407	ug/l	99
46) Dibromomethane	9.21	93	910178	152.257	ug/l	100
47) Bromodichloromethane	9.40	83	1925201	156.187	ug/l	100
48) Methyl methacrylate	9.20	41	1187169	156.819	ug/l	99
49) 1,4-Dioxane	9.20	88	242043	2760.834	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	6410411	762.659	ug/l	100
52) Toluene	10.16	92	3706318	153.420	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	2099168	161.798	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	2355768	157.368	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	1325525	152.824	ug/l	99
56) Ethyl methacrylate	10.43	69	1902830	159.885	ug/l	100
57) 1,3-Dichloropropane	10.71	76	2280406	155.575	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	4996716	785.844	ug/l	100
59) 2-Hexanone	10.75	43	4429427	760.646	ug/l	99
60) Dibromochloromethane	10.90	129	1540838	158.917	ug/l	100
61) 1,2-Dibromoethane	11.01	107	1386517	157.860	ug/l	99
64) Tetrachloroethene	10.63	164	1712491	140.866	ug/l	100
65) Chlorobenzene	11.43	112	4207575	151.297	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	1495240	152.448	ug/l	100
67) Ethyl Benzene	11.51	91	7334280	152.497	ug/l	100
68) m/p-Xylenes	11.62	106	5559380	303.247	ug/l	99
69) o-Xylene	11.95	106	2707847	152.420	ug/l	99
70) Styrene	11.96	104	4517190	153.455	ug/l	100
71) Bromoform	12.13	173	1121136	158.222	ug/l #	99
73) Isopropylbenzene	12.25	105	7096083	147.909	ug/l	100
74) N-amyl acetate	12.07	43	2200529	150.203	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	1576861	148.487	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	1319134m	146.710	ug/l	
77) Bromobenzene	12.53	156	1889131	150.574	ug/l	100
78) n-propylbenzene	12.59	91	8211221	150.119	ug/l	99
79) 2-Chlorotoluene	12.68	91	4813212	148.954	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	5823739	150.758	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	540577	161.297	ug/l	97
82) 4-Chlorotoluene	12.77	91	5029155	151.850	ug/l	100
83) tert-Butylbenzene	12.99	119	5023915	150.750	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	5987344	152.071	ug/l	100
85) sec-Butylbenzene	13.17	105	6779222	152.351	ug/l	100
86) p-Isopropyltoluene	13.29	119	6024014	154.204	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	3351505	152.720	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	3321445	153.280	ug/l	99
89) n-Butylbenzene	13.62	91	5162065	159.620	ug/l	100
90) Hexachloroethane	13.88	117	1023527	164.444	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	3041937	146.112	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	196788	141.691	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1043991	151.327	ug/l	100
94) Hexachlorobutadiene	15.01	225	747677	136.710	ug/l	99
95) Naphthalene	15.13	128	1874150	156.504	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	691275	155.771	ug/l	99

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

