

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081519\
 Data File : VN057293.D
 Acq On : 14 Aug 2019 17:51
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:53:17 AM

Quant Time: Aug 15 08:24:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 19:33:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	884666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1293160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1205822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	571561	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	923725	103.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.24%	
35) Dibromofluoromethane	7.58	113	818248	99.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.96%	
50) Toluene-d8	10.09	98	3088836	103.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.00%	
62) 4-Bromofluorobenzene	12.40	95	1146150	111.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	222.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	713476	96.241	ug/l	97
3) Chloromethane	2.05	50	810041	96.291	ug/l	99
4) Vinyl Chloride	2.18	62	798322	97.930	ug/l	99
5) Bromomethane	2.52	94	573634m	99.875	ug/l	
6) Chloroethane	2.68	64	541993m	102.583	ug/l	
7) Trichlorofluoromethane	3.01	101	1251965	97.210	ug/l	99
8) Diethyl Ether	3.40	74	477130	101.599	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	733607	94.942	ug/l	98
10) Methyl Iodide	3.95	142	1249232	104.267	ug/l	100
11) Tert butyl alcohol	4.76	59	703588	574.642	ug/l	99
12) 1,1-Dichloroethene	3.73	96	743476	96.738	ug/l	98
13) Acrolein	3.60	56	388906	461.514	ug/l	98
14) Allyl chloride	4.31	41	1204874	102.812	ug/l	99
15) Acrylonitrile	4.97	53	1898582	556.029	ug/l	99
16) Acetone	3.80	43	1536538	501.840	ug/l	100
17) Carbon Disulfide	4.05	76	2031574	97.154	ug/l	99
18) Methyl Acetate	4.31	43	868106	82.600	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	2376763	102.946	ug/l	99
20) Methylene Chloride	4.54	84	856875	95.753	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	793575	97.053	ug/l	98
22) Diisopropyl ether	5.94	45	2338098	101.132	ug/l	98
23) Vinyl Acetate	5.88	43	9842241	536.655	ug/l	99
24) 1,1-Dichloroethane	5.83	63	1430227	98.736	ug/l	100
25) 2-Butanone	6.82	43	2390319	543.828	ug/l	96
26) 2,2-Dichloropropane	6.81	77	1189454	100.629	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	938605	99.342	ug/l	99
28) Bromochloromethane	7.18	49	639697	99.157	ug/l #	100
29) Tetrahydrofuran	7.20	42	1525308	543.697	ug/l	100
30) Chloroform	7.36	83	1478905	97.558	ug/l	98
31) Cyclohexane	7.65	56	1202369	95.487	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	1301169	101.510	ug/l	98
36) 1,1-Dichloropropene	7.79	75	1103622	98.326	ug/l	99
37) Ethyl Acetate	6.91	43	969210	105.474	ug/l	100
38) Carbon Tetrachloride	7.77	117	1168817	97.909	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1292691	97.426	ug/l	98
40) Benzene	8.03	78	3360029	97.944	ug/l	98
41) Methacrylonitrile	7.17	41	426238m	111.040	ug/l	
42) 1,2-Dichloroethane	8.12	62	1106522	100.410	ug/l	100
43) Isopropyl Acetate	8.16	43	1683109	110.210	ug/l	98
44) Trichloroethene	8.83	130	945342	95.626	ug/l	99
45) 1,2-Dichloropropane	9.11	63	868099	99.720	ug/l	99
46) Dibromomethane	9.20	93	574241	98.091	ug/l	99
47) Bromodichloromethane	9.40	83	1167423	103.224	ug/l	99
48) Methyl methacrylate	9.19	41	787823	112.489	ug/l	99
49) 1,4-Dioxane	9.19	88	335220	2131.048	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	4941142	555.557	ug/l	100
52) Toluene	10.15	92	2126249	99.897	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1319641	109.109	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	1425057	104.583	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	840447	100.604	ug/l	99
56) Ethyl methacrylate	10.43	69	1314562	111.483	ug/l	100
57) 1,3-Dichloropropane	10.70	76	1374146	99.622	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1873526	631.793	ug/l	100
59) 2-Hexanone	10.75	43	3667114	580.147	ug/l	99
60) Dibromochloromethane	10.90	129	981240	104.701	ug/l	99
61) 1,2-Dibromoethane	11.00	107	903005	104.028	ug/l	99
64) Tetrachloroethene	10.63	164	911561	85.992	ug/l	99
65) Chlorobenzene	11.43	112	2380730	96.981	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	900606	94.967	ug/l	98
67) Ethyl Benzene	11.51	91	4219162	100.410	ug/l	100
68) m/p-Xylenes	11.62	106	3210292	204.524	ug/l	99
69) o-Xylene	11.95	106	1567339	101.852	ug/l	99
70) Styrene	11.96	104	2673224	112.372	ug/l	100
71) Bromoform	12.13	173	792213	108.669	ug/l #	99
73) Isopropylbenzene	12.25	105	4173649	78.737	ug/l	99
74) N-amyl acetate	12.07	43	1430767	92.502	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	1196213	78.618	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1011942m	83.698	ug/l	
77) Bromobenzene	12.53	156	1145135	79.365	ug/l	100
78) n-propylbenzene	12.59	91	4633130	86.807	ug/l	100
79) 2-Chlorotoluene	12.67	91	2813114	82.458	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3596450	83.672	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	419671	97.394	ug/l	99
82) 4-Chlorotoluene	12.77	91	2810000	89.981	ug/l	99
83) tert-Butylbenzene	12.99	119	3141896	78.309	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3468952	86.296	ug/l	100
85) sec-Butylbenzene	13.17	105	4060975	84.498	ug/l	100
86) p-Isopropyltoluene	13.29	119	3677866	87.777	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1862204	94.344	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1805607	94.228	ug/l	98
89) n-Butylbenzene	13.62	91	2785973	94.610	ug/l	99
90) Hexachloroethane	13.88	117	669771	81.799	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1780093	92.730	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	190347	99.499	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	750011	108.869	ug/l	100
94) Hexachlorobutadiene	15.01	225	711572	77.045	ug/l	98
95) Naphthalene	15.13	128	1530198	113.088	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	625784	89.630	ug/l	100

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

