

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058155.D
 Acq On : 18 Sep 2019 10:27
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:14:24 PM

Quant Time: Sep 19 01:59:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	648263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	1072362	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	985476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	494855	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	455593	37.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.06%	
35) Dibromofluoromethane	7.58	113	334944	36.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.34%	
50) Toluene-d8	10.08	98	1335232	37.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.64%	
62) 4-Bromofluorobenzene	12.40	95	486301	35.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	243224	29.368	ug/l	100
3) Chloromethane	2.04	50	196891	23.461	ug/l	100
4) Vinyl Chloride	2.17	62	220410	24.843	ug/l	100
5) Bromomethane	2.54	94	113438	21.638	ug/l	100
6) Chloroethane	2.68	64	144294	25.387	ug/l	100
7) Trichlorofluoromethane	3.00	101	320053	28.358	ug/l	100
8) Diethyl Ether	3.39	74	155817	32.482	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	236657	32.817	ug/l	100
10) Methyl Iodide	3.93	142	210181	27.491	ug/l	100
11) Tert butyl alcohol	4.75	59	262648	179.494	ug/l	100
12) 1,1-Dichloroethene	3.72	96	191692	29.644	ug/l	100
13) Acrolein	3.58	56	39849	36.015	ug/l	100
14) Allyl chloride	4.30	41	397211	31.236	ug/l	100
15) Acrylonitrile	4.96	53	701921	170.798	ug/l	100
16) Acetone	3.79	43	698684	172.958	ug/l	100
17) Carbon Disulfide	4.03	76	256403	21.751	ug/l	100
18) Methyl Acetate	4.30	43	369789	34.204	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	946812	34.994	ug/l	100
20) Methylene Chloride	4.53	84	256411	29.202	ug/l	100
21) trans-1,2-Dichloroethene	5.02	96	209169	29.921	ug/l	100
22) Diisopropyl ether	5.93	45	1047933	35.143	ug/l	100
23) Vinyl Acetate	5.87	43	3822666	181.935	ug/l	100
24) 1,1-Dichloroethane	5.83	63	539974	33.180	ug/l	100
25) 2-Butanone	6.81	43	1029975	176.031	ug/l	100
26) 2,2-Dichloropropane	6.81	77	457827	35.450	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	310649	32.997	ug/l	100
28) Bromochloromethane	7.18	49	278655	34.286	ug/l	100
29) Tetrahydrofuran	7.19	42	612197	169.779	ug/l	100
30) Chloroform	7.36	83	580452	34.019	ug/l	100
31) Cyclohexane	7.64	56	365330	30.475	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	466862	34.526	ug/l	100
36) 1,1-Dichloropropene	7.78	75	350385	30.066	ug/l	100
37) Ethyl Acetate	6.91	43	398425	32.983	ug/l	100
38) Carbon Tetrachloride	7.76	117	369647	34.596	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	364413	29.820	ug/l	100
40) Benzene	8.03	78	1117193	31.841	ug/l	100
41) Methacrylonitrile	7.16	41	201702m	36.824	ug/l	
42) 1,2-Dichloroethane	8.11	62	469405	33.341	ug/l	100
43) Isopropyl Acetate	8.15	43	712786	35.075	ug/l	100
44) Trichloroethene	8.82	130	277184	32.118	ug/l	100
45) 1,2-Dichloropropane	9.11	63	345907	33.754	ug/l	100
46) Dibromomethane	9.20	93	207991	33.622	ug/l	100
47) Bromodichloromethane	9.39	83	454754	36.916	ug/l	100
48) Methyl methacrylate	9.19	41	342649	33.428	ug/l	100
49) 1,4-Dioxane	9.19	88	116033	666.161	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	2155219	181.252	ug/l	100
52) Toluene	10.15	92	715508	32.413	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	481652	37.206	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	518960	36.288	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	326167	34.838	ug/l	100
56) Ethyl methacrylate	10.43	69	496420	35.391	ug/l	100
57) 1,3-Dichloropropane	10.71	76	556934	34.507	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1253079	191.490	ug/l	100
59) 2-Hexanone	10.75	43	1589027	178.741	ug/l	100
60) Dibromochloromethane	10.90	129	334757	38.562	ug/l	100
61) 1,2-Dibromoethane	11.00	107	302861	34.309	ug/l	100
64) Tetrachloroethene	10.63	164	222416	32.364	ug/l	100
65) Chlorobenzene	11.43	112	828555	34.150	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	321555	38.098	ug/l	100
67) Ethyl Benzene	11.51	91	1493087	35.150	ug/l	100
68) m/p-Xylenes	11.62	106	1098680	70.637	ug/l	100
69) o-Xylene	11.95	106	543200	35.237	ug/l	100
70) Styrene	11.97	104	976315	36.807	ug/l	100
71) Bromoform	12.13	173	214568	40.929	ug/l #	100
73) Isopropylbenzene	12.25	105	1553330	41.884	ug/l	100
74) N-amyl acetate	12.07	43	675801	42.107	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	508721	40.765	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	423488m	39.439	ug/l	
77) Bromobenzene	12.53	156	368611	39.652	ug/l	100
78) n-propylbenzene	12.59	91	1811275	42.594	ug/l	100
79) 2-Chlorotoluene	12.68	91	1084470	40.250	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1349044	43.004	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	137774	45.356	ug/l	100
82) 4-Chlorotoluene	12.78	91	1154731	41.728	ug/l	100
83) tert-Butylbenzene	13.00	119	1178203	42.268	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1348691	42.421	ug/l	100
85) sec-Butylbenzene	13.18	105	1590169	43.100	ug/l	100
86) p-Isopropyltoluene	13.29	119	1436819	44.258	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	703497	41.428	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	714622	41.316	ug/l	100
89) n-Butylbenzene	13.62	91	1366291	44.411	ug/l	100
90) Hexachloroethane	13.88	117	223930	46.119	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	715169	42.041	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	95483	46.133	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	466458	41.500	ug/l	100
94) Hexachlorobutadiene	15.01	225	216304	44.882	ug/l	100
95) Naphthalene	15.13	128	1287018	39.964	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	447500	40.703	ug/l	100

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

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