

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
 Data File : VN059529.D
 Acq On : 9 Dec 2019 15:52
 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

apatel
 12/10/2019 5:10:46 PM

Quant Time: Dec 09 16:35:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 09 16:19:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	270123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	428099	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	435991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	246934	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	167421	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
35) Dibromofluoromethane	7.57	113	119531	45.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.86%	
50) Toluene-d8	10.08	98	464574	45.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.20%	
62) 4-Bromofluorobenzene	12.40	95	194680	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	133832	45.026	ug/l	100
3) Chloromethane	2.04	50	204295	50.359	ug/l	100
4) Vinyl Chloride	2.17	62	204395	74.750	ug/l	100
5) Bromomethane	2.54	94	120652	71.706	ug/l	100
6) Chloroethane	2.68	64	118421	74.132	ug/l	100
7) Trichlorofluoromethane	3.00	101	242658	74.408	ug/l	100
8) Diethyl Ether	3.39	74	76495	41.372	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	120739	43.077	ug/l	100
10) Methyl Iodide	3.93	142	162781	46.278	ug/l	100
11) Tert butyl alcohol	4.75	59	128822	209.978	ug/l	100
12) 1,1-Dichloroethene	3.71	96	113618	41.777	ug/l	100
13) Acrolein	3.58	56	45072	95.513	ug/l	100
14) Allyl chloride	4.30	41	233728	43.273	ug/l	100
15) Acrylonitrile	4.95	53	366586	220.540	ug/l	100
16) Acetone	3.79	43	345869	156.926	ug/l	100
17) Carbon Disulfide	4.03	76	387484	41.445	ug/l	100
18) Methyl Acetate	4.29	43	192176	43.487	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	419523	44.835	ug/l	100
20) Methylene Chloride	4.52	84	137817	39.801	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	129677	42.372	ug/l	100
22) Diisopropyl ether	5.92	45	460974	45.771	ug/l	100
23) Vinyl Acetate	5.87	43	2003467	246.752	ug/l	100
24) 1,1-Dichloroethane	5.82	63	254883	44.618	ug/l	100
25) 2-Butanone	6.81	43	532579	213.736	ug/l	100
26) 2,2-Dichloropropane	6.80	77	231211	46.352	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	148276	43.535	ug/l	100
28) Bromochloromethane	7.17	49	97229	53.416	ug/l	100
29) Tetrahydrofuran	7.18	42	355681	225.925	ug/l	100
30) Chloroform	7.35	83	252533	45.432	ug/l	100
31) Cyclohexane	7.63	56	235915	42.897	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	224900	46.400	ug/l	100
36) 1,1-Dichloropropene	7.77	75	196292	44.990	ug/l	100
37) Ethyl Acetate	6.90	43	220596	45.250	ug/l	100
38) Carbon Tetrachloride	7.75	117	197603	46.869	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	230417	44.239	ug/l	100
40) Benzene	8.02	78	569536	44.770	ug/l	100
41) Methacrylonitrile	7.16	41	104407m	51.928	ug/l	
42) 1,2-Dichloroethane	8.10	62	218122	49.374	ug/l	100
43) Isopropyl Acetate	8.14	43	354322	48.573	ug/l	100
44) Trichloroethene	8.82	130	142799	43.040	ug/l	100
45) 1,2-Dichloropropane	9.10	63	153150	44.985	ug/l	100
46) Dibromomethane	9.19	93	98086	46.028	ug/l	100
47) Bromodichloromethane	9.39	83	202887	47.314	ug/l	100
48) Methyl methacrylate	9.18	41	157080	47.815	ug/l	100
49) 1,4-Dioxane	9.19	88	38137	788.117	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	1084856	251.066	ug/l	100
52) Toluene	10.15	92	343837	44.800	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	234742	46.681	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	245576	46.289	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	136559	45.062	ug/l	100
56) Ethyl methacrylate	10.42	69	209964	47.823	ug/l	100
57) 1,3-Dichloropropane	10.70	76	239498	45.516	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	155041	120.865	ug/l	100
59) 2-Hexanone	10.74	43	825637	253.890	ug/l	100
60) Dibromochloromethane	10.90	129	151914	46.652	ug/l	100
61) 1,2-Dibromoethane	11.00	107	144550	46.044	ug/l	100
64) Tetrachloroethene	10.63	164	125973	35.662	ug/l	100
65) Chlorobenzene	11.43	112	400039	43.106	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	151729	45.339	ug/l	100
67) Ethyl Benzene	11.51	91	751217	46.098	ug/l	100
68) m/p-Xylenes	11.62	106	599234	97.951	ug/l	100
69) o-Xylene	11.95	106	282146	48.428	ug/l	100
70) Styrene	11.96	104	467910	50.142	ug/l	100
71) Bromoform	12.13	173	132600	50.150	ug/l #	100
73) Isopropylbenzene	12.25	105	699563	37.168	ug/l	100
74) N-amyl acetate	12.07	43	330404	42.995	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	246077	40.276	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	234670m	38.898	ug/l	
77) Bromobenzene	12.53	156	184329	38.676	ug/l	100
78) n-propylbenzene	12.59	91	901920	40.765	ug/l	100
79) 2-Chlorotoluene	12.67	91	523776	39.214	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	656663	41.221	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	89427	40.231	ug/l	100
82) 4-Chlorotoluene	12.77	91	559254	40.419	ug/l	100
83) tert-Butylbenzene	12.99	119	551852	39.948	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	667845	42.787	ug/l	100
85) sec-Butylbenzene	13.17	105	768622	41.865	ug/l	100
86) p-Isopropyltoluene	13.29	119	709337	42.968	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	351593	41.449	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	353458	41.269	ug/l	100
89) n-Butylbenzene	13.62	91	637273	42.963	ug/l	100
90) Hexachloroethane	13.88	117	127804	40.177	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	338790	41.724	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57322	38.876	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	234734	45.965	ug/l	100
94) Hexachlorobutadiene	15.01	225	126838	39.896	ug/l	100
95) Naphthalene	15.13	128	658079	43.948	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	226195	41.406	ug/l	100

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

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