

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041420\
 Data File : VN060948.D
 Acq On : 14 Apr 2020 20:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/15/2020 1:50:07 PM

Quant Time: Apr 15 09:33:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	141812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	244631	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	223582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	107861	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	98616	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
35) Dibromofluoromethane	7.56	113	74583	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.08	98	293965	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
62) 4-Bromofluorobenzene	12.40	95	110851	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	54306	39.577	ug/l	100
3) Chloromethane	2.04	50	102057	39.823	ug/l	99
4) Vinyl Chloride	2.17	62	81627	40.723	ug/l	98
5) Bromomethane	2.54	94	41113	47.513	ug/l	99
6) Chloroethane	2.68	64	52366	45.352	ug/l	99
7) Trichlorofluoromethane	3.00	101	110994	44.951	ug/l	96
8) Diethyl Ether	3.38	74	48765	49.162	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	66435	46.433	ug/l	100
10) Methyl Iodide	3.93	142	51766	40.660	ug/l	98
11) Tert butyl alcohol	4.72	59	71645	250.239	ug/l #	88
12) 1,1-Dichloroethene	3.72	96	68522	44.629	ug/l	98
13) Acrolein	3.57	56	93934	296.030	ug/l	100
14) Allyl chloride	4.29	41	126638	46.896	ug/l	98
15) Acrylonitrile	4.94	53	222035	263.728	ug/l	99
16) Acetone	3.78	43	177148	256.892	ug/l	100
17) Carbon Disulfide	4.03	76	180825	38.724	ug/l	100
18) Methyl Acetate	4.28	43	106554	54.897	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	255632	48.426	ug/l	98
20) Methylene Chloride	4.52	84	78890	46.506	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	72680	44.415	ug/l	93
22) Diisopropyl ether	5.91	45	296386	51.951	ug/l	97
23) Vinyl Acetate	5.86	43	1215262	261.071	ug/l	98
24) 1,1-Dichloroethane	5.81	63	153799	49.451	ug/l	99
25) 2-Butanone	6.79	43	293602	263.117	ug/l	98
26) 2,2-Dichloropropane	6.79	77	114923	46.964	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	87048	46.811	ug/l	97
28) Bromochloromethane	7.17	49	79818	53.640	ug/l	96
29) Tetrahydrofuran	7.17	42	201628	255.382	ug/l	98
30) Chloroform	7.34	83	144783	48.559	ug/l	100
31) Cyclohexane	7.63	56	136549	43.550	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	123504	48.050	ug/l	99
36) 1,1-Dichloropropene	7.77	75	108493	45.801	ug/l	100
37) Ethyl Acetate	6.89	43	126656	49.484	ug/l	99
38) Carbon Tetrachloride	7.75	117	96870	45.628	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	124922	44.377	ug/l	97
40) Benzene	8.02	78	328558	45.947	ug/l	100
41) Methacrylonitrile	7.14	41	55138m	50.477	ug/l	
42) 1,2-Dichloroethane	8.10	62	115254	47.162	ug/l	100
43) Isopropyl Acetate	8.14	43	212585	50.362	ug/l	99
44) Trichloroethene	8.82	130	81347	45.127	ug/l	98
45) 1,2-Dichloropropane	9.10	63	92576	49.063	ug/l	97
46) Dibromomethane	9.19	93	54642	47.901	ug/l	98
47) Bromodichloromethane	9.38	83	115665	48.795	ug/l	99
48) Methyl methacrylate	9.18	41	93561	49.783	ug/l	98
49) 1,4-Dioxane	9.18	88	22755	1018.641	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	628274	261.561	ug/l	99
52) Toluene	10.14	92	200291	46.379	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	133606	49.068	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	141948	47.520	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	80264	48.310	ug/l	99
56) Ethyl methacrylate	10.42	69	132657	51.208	ug/l	98
57) 1,3-Dichloropropane	10.70	76	140512	48.737	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	308945	239.952	ug/l	99
59) 2-Hexanone	10.74	43	458020	264.705	ug/l	98
60) Dibromochloromethane	10.89	129	85012	49.536	ug/l	100
61) 1,2-Dibromoethane	10.99	107	80582	48.234	ug/l	99
64) Tetrachloroethene	10.62	164	71775	40.795	ug/l	99
65) Chlorobenzene	11.42	112	205723	46.415	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	77254	48.140	ug/l	98
67) Ethyl Benzene	11.50	91	388601	47.146	ug/l	100
68) m/p-Xylenes	11.61	106	284719	92.955	ug/l	99
69) o-Xylene	11.94	106	136086	46.542	ug/l	98
70) Styrene	11.96	104	229883	48.071	ug/l	100
71) Bromoform	12.12	173	59899	45.080	ug/l #	99
73) Isopropylbenzene	12.24	105	370499	45.772	ug/l	100
74) N-amyl acetate	12.06	43	184993	49.458	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	119583	48.852	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	107074m	46.005	ug/l	
77) Bromobenzene	12.52	156	86806	44.504	ug/l	96
78) n-propylbenzene	12.59	91	438234	45.825	ug/l	99
79) 2-Chlorotoluene	12.67	91	258468	45.234	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	311831	45.395	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	42162	46.526	ug/l	99
82) 4-Chlorotoluene	12.77	91	267875	46.030	ug/l	99
83) tert-Butylbenzene	12.99	119	262386	46.078	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	315460	46.420	ug/l	98
85) sec-Butylbenzene	13.17	105	356892	46.608	ug/l	100
86) p-Isopropyltoluene	13.28	119	319078	46.340	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	157759	45.859	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	159124	46.040	ug/l	98
89) n-Butylbenzene	13.61	91	296929	47.763	ug/l	99
90) Hexachloroethane	13.87	117	51132	51.087	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	152514	46.365	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	25168	49.083	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	95768	47.410	ug/l	99
94) Hexachlorobutadiene	15.01	225	42847	43.269	ug/l	99
95) Naphthalene	15.13	128	286342	47.129	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	92196	46.337	ug/l	100

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

