

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
 Data File : VN061038.D
 Acq On : 17 Apr 2020 1:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:53:50 AM

Quant Time: Apr 17 06:44:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	164662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	283839	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	259890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	121446	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	101062	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
35) Dibromofluoromethane	7.56	113	79485	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
50) Toluene-d8	10.08	98	292633	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	
62) 4-Bromofluorobenzene	12.39	95	115437	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	102160	46.962	ug/l	99
3) Chloromethane	2.04	50	134606	46.091	ug/l	100
4) Vinyl Chloride	2.17	62	116884	48.161	ug/l	99
5) Bromomethane	2.54	94	57015	46.846	ug/l	98
6) Chloroethane	2.68	64	69750	49.822	ug/l	100
7) Trichlorofluoromethane	3.00	101	147333	48.762	ug/l	100
8) Diethyl Ether	3.38	74	57572	47.942	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	81684	46.079	ug/l	99
10) Methyl Iodide	3.93	142	85406	54.612	ug/l	99
11) Tert butyl alcohol	4.72	59	85144	227.785	ug/l	99
12) 1,1-Dichloroethene	3.72	96	86844	48.195	ug/l	99
13) Acrolein	3.57	56	67202	212.928	ug/l	99
14) Allyl chloride	4.29	41	152806	44.819	ug/l	99
15) Acrylonitrile	4.94	53	252070	248.715	ug/l	99
16) Acetone	3.78	43	203664	219.635	ug/l	99
17) Carbon Disulfide	4.03	76	262698	46.590	ug/l	100
18) Methyl Acetate	4.28	43	141726	48.741	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	300243	47.787	ug/l	98
20) Methylene Chloride	4.52	84	96182	47.507	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	93331	48.426	ug/l	95
22) Diisopropyl ether	5.91	45	340671	48.111	ug/l	99
23) Vinyl Acetate	5.85	43	1349625	243.059	ug/l	100
24) 1,1-Dichloroethane	5.81	63	182968	47.843	ug/l	100
25) 2-Butanone	6.79	43	335288	235.962	ug/l	99
26) 2,2-Dichloropropane	6.79	77	128861	40.468	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	106007	47.910	ug/l	98
28) Bromochloromethane	7.16	49	86288	49.153	ug/l	100
29) Tetrahydrofuran	7.17	42	229713	238.128	ug/l	99
30) Chloroform	7.34	83	173563	48.657	ug/l	98
31) Cyclohexane	7.63	56	177655	45.269	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	149880	48.576	ug/l	100
36) 1,1-Dichloropropene	7.77	75	136072	46.457	ug/l	100
37) Ethyl Acetate	6.89	43	145267	45.676	ug/l	99
38) Carbon Tetrachloride	7.75	117	119893	49.177	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	159552	45.564	ug/l	98
40) Benzene	8.02	78	406728	46.808	ug/l	99
41) Methacrylonitrile	7.13	41	58375	44.006	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	141266	47.724	ug/l	100
43) Isopropyl Acetate	8.14	43	245319	47.428	ug/l	100
44) Trichloroethene	8.81	130	100421	45.994	ug/l	100
45) 1,2-Dichloropropane	9.10	63	109992	46.865	ug/l	97
46) Dibromomethane	9.19	93	66673	49.271	ug/l	99
47) Bromodichloromethane	9.38	83	136803	47.856	ug/l	97
48) Methyl methacrylate	9.18	41	110423	48.307	ug/l	99
49) 1,4-Dioxane	9.17	88	28410	896.548	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	719962	241.454	ug/l	100
52) Toluene	10.14	92	244123	46.831	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	157143	47.324	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	167731	46.296	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	94057	47.680	ug/l	97
56) Ethyl methacrylate	10.42	69	154351	49.758	ug/l	99
57) 1,3-Dichloropropane	10.69	76	166687	47.372	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	367279	260.563	ug/l	100
59) 2-Hexanone	10.74	43	537930	250.154	ug/l	98
60) Dibromochloromethane	10.89	129	101046	49.864	ug/l	99
61) 1,2-Dibromoethane	10.99	107	97516	48.512	ug/l	99
64) Tetrachloroethene	10.62	164	91791	46.156	ug/l	99
65) Chlorobenzene	11.42	112	249440	46.493	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	91670	47.758	ug/l	100
67) Ethyl Benzene	11.50	91	474221	46.990	ug/l	99
68) m/p-Xylenes	11.61	106	346091	94.892	ug/l	100
69) o-Xylene	11.94	106	165311	47.141	ug/l	99
70) Styrene	11.96	104	278498	49.331	ug/l	99
71) Bromoform	12.12	173	71317	49.776	ug/l #	100
73) Isopropylbenzene	12.24	105	444156	45.650	ug/l	100
74) N-amyl acetate	12.06	43	215982	47.735	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	139662	47.024	ug/l	99
76) 1,2,3-Trichloropropane	12.54	75	117833m	44.110	ug/l	
77) Bromobenzene	12.52	156	104662	46.072	ug/l	99
78) n-propylbenzene	12.58	91	531238	46.668	ug/l	100
79) 2-Chlorotoluene	12.67	91	308821	46.256	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	376116	46.768	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	47246	43.625	ug/l	99
82) 4-Chlorotoluene	12.77	91	321579	46.442	ug/l	100
83) tert-Butylbenzene	12.99	119	310328	45.883	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	374330	47.088	ug/l	99
85) sec-Butylbenzene	13.17	105	423864	46.253	ug/l	100
86) p-Isopropyltoluene	13.28	119	381460	46.746	ug/l	100
87) 1,3-Dichlorobenzene	13.27	146	188864	46.650	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	187362	46.002	ug/l	100
89) n-Butylbenzene	13.61	91	349364	46.039	ug/l	100
90) Hexachloroethane	13.87	117	57899	46.246	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	181137	46.878	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	29149	50.711	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	110415	48.279	ug/l	100
94) Hexachlorobutadiene	15.00	225	51119	43.449	ug/l	99
95) Naphthalene	15.13	128	335572	50.312	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	107579	48.811	ug/l	100

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

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