

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062320\
 Data File : VN062054.D
 Acq On : 23 Jun 2020 20:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/24/2020 10:59:22 AM

Quant Time: Jun 24 02:27:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	161437	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	283292	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	269624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	132010	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	114330	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
35) Dibromofluoromethane	7.55	113	93412	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
50) Toluene-d8	10.06	98	363323	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.38	95	127761	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	96269	45.855	ug/l	97
3) Chloromethane	2.03	50	96118	42.894	ug/l	100
4) Vinyl Chloride	2.16	62	122400	45.819	ug/l	99
5) Bromomethane	2.52	94	73504	35.831	ug/l	94
6) Chloroethane	2.66	64	85525	47.306	ug/l	99
7) Trichlorofluoromethane	2.97	101	156453	49.031	ug/l	97
8) Diethyl Ether	3.37	74	58531	54.563	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	81996	50.089	ug/l	98
10) Methyl Iodide	3.91	142	91006	46.482	ug/l	99
11) Tert butyl alcohol	4.73	59	85089	284.002	ug/l	98
12) 1,1-Dichloroethene	3.69	96	79726	48.605	ug/l	98
13) Acrolein	3.56	56	38536	215.204	ug/l	99
14) Allyl chloride	4.27	41	115879	53.229	ug/l	99
15) Acrylonitrile	4.93	53	225552	303.824	ug/l	99
16) Acetone	3.77	43	173196	270.816	ug/l	100
17) Carbon Disulfide	4.00	76	180948	37.702	ug/l	100
18) Methyl Acetate	4.28	43	109012	59.206	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	299193	54.783	ug/l	97
20) Methylene Chloride	4.50	84	101236	48.587	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	89419	47.461	ug/l	98
22) Diisopropyl ether	5.90	45	277853	55.806	ug/l	100
23) Vinyl Acetate	5.84	43	1104911	282.157	ug/l	97
24) 1,1-Dichloroethane	5.80	63	172336	52.876	ug/l	99
25) 2-Butanone	6.79	43	278684	298.671	ug/l	99
26) 2,2-Dichloropropane	6.77	77	134016	48.873	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	109457	50.350	ug/l	97
28) Bromochloromethane	7.15	49	79738	54.947	ug/l	92
29) Tetrahydrofuran	7.17	42	182349	296.953	ug/l	98
30) Chloroform	7.33	83	180068	51.695	ug/l	99
31) Cyclohexane	7.61	56	128791	45.139	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	148351	50.009	ug/l	99
36) 1,1-Dichloropropene	7.75	75	126775	49.063	ug/l	98
37) Ethyl Acetate	6.88	43	118688	58.820	ug/l	99
38) Carbon Tetrachloride	7.73	117	124767	48.760	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	132430	47.597	ug/l	99
40) Benzene	8.00	78	397297	50.758	ug/l	96
41) Methacrylonitrile	7.13	41	57363	66.482	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	139465	52.256	ug/l	99
43) Isopropyl Acetate	8.13	43	200379	58.927	ug/l #	89
44) Trichloroethene	8.80	130	98748	47.937	ug/l	99
45) 1,2-Dichloropropane	9.09	63	103074	53.585	ug/l	100
46) Dibromomethane	9.18	93	70471	52.025	ug/l	96
47) Bromodichloromethane	9.37	83	144659	52.154	ug/l	98
48) Methyl methacrylate	9.17	41	88495	57.226	ug/l	97
49) 1,4-Dioxane	9.17	88	40682	1145.849	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	609497	303.314	ug/l	99
52) Toluene	10.12	92	254871	51.847	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	157143	53.369	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	168924	52.819	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	107265	55.459	ug/l	98
56) Ethyl methacrylate	10.40	69	152678	51.582	ug/l	98
57) 1,3-Dichloropropane	10.68	76	179543	54.794	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	307409	301.157	ug/l	96
59) 2-Hexanone	10.72	43	443339	274.755	ug/l	100
60) Dibromochloromethane	10.87	129	113713	52.689	ug/l	100
61) 1,2-Dibromoethane	10.98	107	106209	52.589	ug/l	100
64) Tetrachloroethene	10.60	164	80412	46.792	ug/l	99
65) Chlorobenzene	11.41	112	276104	48.530	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	101950	51.380	ug/l	99
67) Ethyl Benzene	11.48	91	493211	51.705	ug/l	99
68) m/p-Xylenes	11.60	106	379558	103.191	ug/l	98
69) o-Xylene	11.92	106	182895	52.114	ug/l	96
70) Styrene	11.94	104	316960	53.938	ug/l	100
71) Bromoform	12.10	173	76039	52.557	ug/l #	98
73) Isopropylbenzene	12.22	105	489158	52.145	ug/l	100
74) N-amyl acetate	12.05	43	179123	52.560	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	163692	53.671	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	147468m	56.900	ug/l	
77) Bromobenzene	12.50	156	118682	50.148	ug/l	96
78) n-propylbenzene	12.57	91	562641	52.564	ug/l	99
79) 2-Chlorotoluene	12.65	91	332548	51.729	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	405020	52.187	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	51224	53.907	ug/l	99
82) 4-Chlorotoluene	12.75	91	345103	51.951	ug/l	97
83) tert-Butylbenzene	12.97	119	345842	52.564	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	417293	54.469	ug/l	99
85) sec-Butylbenzene	13.15	105	458482	53.239	ug/l	99
86) p-Isopropyltoluene	13.26	119	408464	53.228	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	212244	49.171	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	210819	47.714	ug/l	99
89) n-Butylbenzene	13.59	91	339714	53.008	ug/l	99
90) Hexachloroethane	13.85	117	76324	54.334	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	210247	50.595	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	27930	56.409	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	96616	49.272	ug/l	100
94) Hexachlorobutadiene	14.99	225	39664	51.358	ug/l	99
95) Naphthalene	15.11	128	302628	46.359	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	98302	50.620	ug/l	99

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

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