

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061220\
 Data File : VN061805.D
 Acq On : 12 Jun 2020 20:41
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/15/2020 11:08:40 AM

Quant Time: Jun 13 07:14:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	318100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	486120	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	477366	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	252931	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	177267	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	
35) Dibromofluoromethane	7.55	113	138114	56.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.02%	
50) Toluene-d8	10.06	98	627414	54.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.80%	
62) 4-Bromofluorobenzene	12.38	95	224706	53.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	166557	45.456	ug/l	99
3) Chloromethane	2.03	50	158659	40.894	ug/l	99
4) Vinyl Chloride	2.16	62	234378	44.083	ug/l	100
5) Bromomethane	2.51	94	151384	49.621	ug/l	100
6) Chloroethane	2.66	64	160745	46.971	ug/l	100
7) Trichlorofluoromethane	2.97	101	342202	49.912	ug/l	99
8) Diethyl Ether	3.37	74	95430	45.519	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	154820	50.887	ug/l	95
10) Methyl Iodide	3.91	142	196221	46.460	ug/l	99
11) Tert butyl alcohol	4.73	59	130544	258.960	ug/l	99
12) 1,1-Dichloroethene	3.69	96	149662	46.044	ug/l	94
13) Acrolein	3.56	56	29049	191.785	ug/l	99
14) Allyl chloride	4.27	41	174904	41.159	ug/l	96
15) Acrylonitrile	4.93	53	336579	239.206	ug/l	100
16) Acetone	3.77	43	250093	239.167	ug/l	97
17) Carbon Disulfide	4.01	76	273129	38.193	ug/l	99
18) Methyl Acetate	4.27	43	169072	49.279	ug/l	95
19) Methyl tert-butyl Ether	4.99	73	503237	45.427	ug/l	98
20) Methylene Chloride	4.50	84	177537	51.594	ug/l	92
21) trans-1,2-Dichloroethene	4.99	96	173005	47.196	ug/l	92
22) Diisopropyl ether	5.90	45	428445	45.745	ug/l	98
23) Vinyl Acetate	5.84	43	1537452	205.959	ug/l	97
24) 1,1-Dichloroethane	5.80	63	281435	47.387	ug/l	99
25) 2-Butanone	6.78	43	393470	219.060	ug/l	96
26) 2,2-Dichloropropane	6.78	77	228886	42.107	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	205412	49.487	ug/l	97
28) Bromochloromethane	7.15	49	97495	43.548	ug/l	91
29) Tetrahydrofuran	7.17	42	261660	220.917	ug/l	94
30) Chloroform	7.33	83	327055	49.776	ug/l	99
31) Cyclohexane	7.61	56	224048	41.946	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	291737	48.728	ug/l	99
36) 1,1-Dichloropropene	7.75	75	226692	52.677	ug/l	99
37) Ethyl Acetate	6.88	43	169127	48.794	ug/l	98
38) Carbon Tetrachloride	7.73	117	245211	59.073	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	251761	47.464	ug/l	98
40) Benzene	8.00	78	712279	53.643	ug/l	99
41) Methacrylonitrile	7.12	41	76479	48.159	ug/l #	91
42) 1,2-Dichloroethane	8.08	62	231248	52.021	ug/l	100
43) Isopropyl Acetate	8.13	43	289585	46.438	ug/l	92
44) Trichloroethene	8.80	130	223742	54.830	ug/l	94
45) 1,2-Dichloropropane	9.08	63	170885	54.199	ug/l	99
46) Dibromomethane	9.17	93	129679	53.628	ug/l	96
47) Bromodichloromethane	9.37	83	266910	55.712	ug/l	100
48) Methyl methacrylate	9.17	41	127645	45.496	ug/l	93
49) 1,4-Dioxane	9.17	88	68647	1579.389	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	871883	248.109	ug/l	97
52) Toluene	10.12	92	480484	55.442	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	268021	51.932	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	291502	52.530	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	192737	55.821	ug/l	97
56) Ethyl methacrylate	10.40	69	250180	51.871	ug/l	98
57) 1,3-Dichloropropane	10.68	76	302083	54.703	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	434787	210.944	ug/l	98
59) 2-Hexanone	10.72	43	627967	248.824	ug/l	97
60) Dibromochloromethane	10.87	129	228703	58.264	ug/l	99
61) 1,2-Dibromoethane	10.98	107	203014	56.377	ug/l	98
64) Tetrachloroethene	10.60	164	247704	55.125	ug/l	98
65) Chlorobenzene	11.41	112	531669	53.581	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	206489	55.888	ug/l	99
67) Ethyl Benzene	11.48	91	919090	53.590	ug/l	100
68) m/p-Xylenes	11.60	106	727869	107.037	ug/l	98
69) o-Xylene	11.92	106	345753	53.532	ug/l	98
70) Styrene	11.94	104	595295	55.656	ug/l	99
71) Bromoform	12.10	173	166906	58.625	ug/l #	100
73) Isopropylbenzene	12.22	105	931999	50.486	ug/l	99
74) N-amyl acetate	12.05	43	248768	42.790	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.48	83	249483	48.225	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	214566m	46.652	ug/l	
77) Bromobenzene	12.50	156	245928	52.189	ug/l	96
78) n-propylbenzene	12.57	91	1037448	50.339	ug/l	100
79) 2-Chlorotoluene	12.65	91	605030	49.234	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	775753	50.277	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	78921	43.881	ug/l	97
82) 4-Chlorotoluene	12.75	91	634941	49.114	ug/l	99
83) tert-Butylbenzene	12.97	119	669485	49.108	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	782294	51.036	ug/l	98
85) sec-Butylbenzene	13.15	105	866257	49.311	ug/l	100
86) p-Isopropyltoluene	13.26	119	808751	49.991	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	444737	53.297	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	439819	51.739	ug/l	99
89) n-Butylbenzene	13.59	91	656352	48.438	ug/l	99
90) Hexachloroethane	13.85	117	113411	63.389	ug/l	91
91) 1,2-Dichlorobenzene	13.63	146	424352	53.214	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	44352	42.038	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	238796	51.203	ug/l	99
94) Hexachlorobutadiene	14.99	225	101285	50.922	ug/l	99
95) Naphthalene	15.10	128	660741	46.547	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	238903	52.101	ug/l	99

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

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