

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082120\
 Data File : VN063071.D
 Acq On : 21 Aug 2020 9:55
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 8/24/2020 5:51:51 PM

Quant Time: Aug 22 01:26:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	183913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	268655	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	259059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	132080	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	105640	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
35) Dibromofluoromethane	7.54	113	87048	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	10.06	98	331782	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
62) 4-Bromofluorobenzene	12.37	95	121222	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	128976	53.657	ug/l	98
3) Chloromethane	2.03	50	138244	54.822	ug/l	99
4) Vinyl Chloride	2.16	62	136148	55.828	ug/l	97
5) Bromomethane	2.52	94	81928	56.600	ug/l	98
6) Chloroethane	2.66	64	80311	55.778	ug/l	100
7) Trichlorofluoromethane	2.98	101	164098	53.958	ug/l	98
8) Diethyl Ether	3.37	74	56552	52.563	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	85209	51.996	ug/l	98
10) Methyl Iodide	3.91	142	112099	53.967	ug/l	99
11) Tert butyl alcohol	4.73	59	69501	225.107	ug/l	100
12) 1,1-Dichloroethene	3.69	96	75753	48.525	ug/l	96
13) Acrolein	3.57	56	18147	187.619	ug/l	99
14) Allyl chloride	4.27	41	143785	52.237	ug/l	99
15) Acrylonitrile	4.93	53	246568	271.711	ug/l	99
16) Acetone	3.77	43	223728	330.410	ug/l	97
17) Carbon Disulfide	4.00	76	196277	48.008	ug/l	98
18) Methyl Acetate	4.27	43	115384	53.267	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	313730	57.625	ug/l	100
20) Methylene Chloride	4.50	84	103254	53.831	ug/l	100
21) trans-1,2-Dichloroethene	4.99	96	86235	52.784	ug/l	99
22) Diisopropyl ether	5.90	45	365154	58.460	ug/l	99
23) Vinyl Acetate	5.84	43	1165190	276.436	ug/l	100
24) 1,1-Dichloroethane	5.79	63	184449	52.844	ug/l	99
25) 2-Butanone	6.78	43	315316	272.478	ug/l	99
26) 2,2-Dichloropropane	6.77	77	148688	54.166	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	108496	52.984	ug/l	98
28) Bromochloromethane	7.15	49	93156	51.008	ug/l	97
29) Tetrahydrofuran	7.16	42	199049	266.512	ug/l	100
30) Chloroform	7.32	83	186744	53.123	ug/l	100
31) Cyclohexane	7.61	56	167100	52.014	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	151234	52.697	ug/l	98
36) 1,1-Dichloropropene	7.75	75	126439	53.405	ug/l	99
37) Ethyl Acetate	6.88	43	116369	52.456	ug/l	99
38) Carbon Tetrachloride	7.73	117	126146	52.776	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	165121	51.607	ug/l	99
40) Benzene	8.00	78	405499	54.002	ug/l	99
41) Methacrylonitrile	7.12	41	57927	54.805	ug/l	94
42) 1,2-Dichloroethane	8.08	62	141181	55.995	ug/l	99
43) Isopropyl Acetate	8.12	43	202773	55.173	ug/l #	90
44) Trichloroethene	8.80	130	98535	52.754	ug/l	96
45) 1,2-Dichloropropane	9.08	63	122172	56.287	ug/l	97
46) Dibromomethane	9.17	93	71681	57.166	ug/l	99
47) Bromodichloromethane	9.37	83	154981	56.432	ug/l	100
48) Methyl methacrylate	9.17	41	101297	58.253	ug/l	98
49) 1,4-Dioxane	9.16	88	33498	877.309	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	653237	281.197	ug/l	99
52) Toluene	10.12	92	254055	56.087	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	169300	59.612	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	184087	59.087	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	108930	56.241	ug/l	99
56) Ethyl methacrylate	10.40	69	158994	53.040	ug/l	99
57) 1,3-Dichloropropane	10.68	76	182195	56.649	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	181130	249.104	ug/l	98
59) 2-Hexanone	10.72	43	465027	286.985	ug/l	99
60) Dibromochloromethane	10.87	129	122755	57.270	ug/l	99
61) 1,2-Dibromoethane	10.98	107	106276	57.105	ug/l	100
64) Tetrachloroethene	10.60	164	89715	52.683	ug/l	97
65) Chlorobenzene	11.40	112	284049	54.595	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	112250	55.468	ug/l	99
67) Ethyl Benzene	11.48	91	502251	57.130	ug/l	100
68) m/p-Xylenes	11.59	106	384546	117.690	ug/l	100
69) o-Xylene	11.92	106	183387	58.447	ug/l	100
70) Styrene	11.94	104	330738	52.997	ug/l	99
71) Bromoform	12.10	173	91684	56.919	ug/l #	100
73) Isopropylbenzene	12.22	105	498406	55.104	ug/l	99
74) N-amyl acetate	12.04	43	185360	57.220	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	160084	55.017	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	131392m	51.178	ug/l	
77) Bromobenzene	12.50	156	132972	53.454	ug/l	99
78) n-propylbenzene	12.56	91	596373	57.847	ug/l	99
79) 2-Chlorotoluene	12.65	91	351168	54.155	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	430005	57.511	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	52430	56.088	ug/l	96
82) 4-Chlorotoluene	12.75	91	370207	56.067	ug/l	100
83) tert-Butylbenzene	12.97	119	359908	55.770	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	429659	58.986	ug/l	99
85) sec-Butylbenzene	13.15	105	496431	56.920	ug/l	100
86) p-Isopropyltoluene	13.26	119	443657	58.380	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	238106	55.695	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	236654	54.539	ug/l	99
89) n-Butylbenzene	13.59	91	364103	50.521	ug/l	99
90) Hexachloroethane	13.85	117	85822	53.133	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	228715	55.384	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	25465	55.903	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	114774	50.127	ug/l	99
94) Hexachlorobutadiene	14.98	225	76278	49.986	ug/l	99
95) Naphthalene	15.10	128	251869	48.043	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	111077	49.540	ug/l	98

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

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