

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082520\
 Data File : VN063104.D
 Acq On : 25 Aug 2020 10:28
 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

MMDadoda
 8/26/2020 11:26:33 AM

Quant Time: Aug 26 05:52:55 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	198002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	288776	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	278713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	138204	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	114527	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
35) Dibromofluoromethane	7.55	113	97774	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
50) Toluene-d8	10.06	98	378091	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
62) 4-Bromofluorobenzene	12.38	95	139583	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	127614	49.335	ug/l	99
3) Chloromethane	2.03	50	134787	49.648	ug/l	100
4) Vinyl Chloride	2.16	62	132196	50.351	ug/l	95
5) Bromomethane	2.50	94	78988	50.686	ug/l	99
6) Chloroethane	2.65	64	78232	50.468	ug/l	100
7) Trichlorofluoromethane	2.97	101	160238	48.940	ug/l	97
8) Diethyl Ether	3.37	74	54667	47.196	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	81764	46.343	ug/l	99
10) Methyl Iodide	3.91	142	108894	48.693	ug/l	99
11) Tert butyl alcohol	4.74	59	60316	181.457	ug/l	99
12) 1,1-Dichloroethene	3.69	96	73864	43.948	ug/l	99
13) Acrolein	3.57	56	6873	66.003	ug/l	98
14) Allyl chloride	4.27	41	138090	46.598	ug/l	99
15) Acrylonitrile	4.93	53	243539	249.277	ug/l	100
16) Acetone	3.77	43	196720	269.121	ug/l	98
17) Carbon Disulfide	4.00	76	180475	41.002	ug/l	98
18) Methyl Acetate	4.28	43	113730	48.768	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	302430	51.597	ug/l	99
20) Methylene Chloride	4.50	84	100638	48.604	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	82376	46.834	ug/l	97
22) Diisopropyl ether	5.90	45	345040	51.309	ug/l	99
23) Vinyl Acetate	5.84	43	1097799	241.916	ug/l	99
24) 1,1-Dichloroethane	5.80	63	179526	47.774	ug/l	99
25) 2-Butanone	6.78	43	300048	240.835	ug/l	100
26) 2,2-Dichloropropane	6.77	77	145762	49.322	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	104034	47.189	ug/l	99
28) Bromochloromethane	7.15	49	94960	48.296	ug/l	100
29) Tetrahydrofuran	7.17	42	193568	240.732	ug/l	98
30) Chloroform	7.33	83	179697	47.481	ug/l	99
31) Cyclohexane	7.61	56	155182	44.867	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	145388	47.055	ug/l	99
36) 1,1-Dichloropropene	7.75	75	120769	47.456	ug/l	99
37) Ethyl Acetate	6.88	43	117605	49.320	ug/l	99
38) Carbon Tetrachloride	7.73	117	124107	48.305	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	147461	43.141	ug/l	98
40) Benzene	8.00	78	389075	48.204	ug/l	99
41) Methacrylonitrile	7.13	41	56800	49.995	ug/l	96
42) 1,2-Dichloroethane	8.08	62	130440	48.130	ug/l	98
43) Isopropyl Acetate	8.12	43	197589	50.016	ug/l	99
44) Trichloroethene	8.80	130	97426	48.526	ug/l	95
45) 1,2-Dichloropropane	9.08	63	115247	49.397	ug/l	95
46) Dibromomethane	9.17	93	67885	50.367	ug/l	98
47) Bromodichloromethane	9.37	83	148111	50.173	ug/l	100
48) Methyl methacrylate	9.17	41	96058	51.391	ug/l	99
49) 1,4-Dioxane	9.17	88	21952	540.831	ug/l #	93
51) 4-Methyl-2-Pentanone	9.95	43	652417	261.276	ug/l	100
52) Toluene	10.12	92	247185	50.768	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	160884	52.701	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	176457	52.692	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	106410	51.112	ug/l	99
56) Ethyl methacrylate	10.40	69	155474	48.409	ug/l	99
57) 1,3-Dichloropropane	10.68	76	175691	50.820	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	178970	229.969	ug/l	99
59) 2-Hexanone	10.72	43	461002	264.678	ug/l	100
60) Dibromochloromethane	10.87	129	119262	51.764	ug/l	100
61) 1,2-Dibromoethane	10.98	107	103801	51.889	ug/l	99
64) Tetrachloroethene	10.60	164	85110	46.455	ug/l	99
65) Chlorobenzene	11.41	112	275092	49.145	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	109728	50.398	ug/l	100
67) Ethyl Benzene	11.48	91	486164	51.401	ug/l	100
68) m/p-Xylenes	11.60	106	373407	106.222	ug/l	99
69) o-Xylene	11.92	106	175851	52.093	ug/l	98
70) Styrene	11.94	104	319980	47.852	ug/l	99
71) Bromoform	12.10	173	89226	51.486	ug/l #	100
73) Isopropylbenzene	12.23	105	476944	50.394	ug/l	100
74) N-amyl acetate	12.05	43	183532	54.145	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	157935	51.774	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	133227m	49.594	ug/l	
77) Bromobenzene	12.50	156	130319	50.066	ug/l	99
78) n-propylbenzene	12.57	91	564816	52.358	ug/l	100
79) 2-Chlorotoluene	12.65	91	334302	49.269	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	410442	52.462	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	53250	54.441	ug/l	98
82) 4-Chlorotoluene	12.75	91	357393	51.728	ug/l	100
83) tert-Butylbenzene	12.97	119	343545	50.876	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	395765	51.925	ug/l	99
85) sec-Butylbenzene	13.15	105	457507	50.132	ug/l	99
86) p-Isopropyltoluene	13.26	119	404210	50.833	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	227287	50.809	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	225496	49.665	ug/l	99
89) n-Butylbenzene	13.59	91	312871	41.984	ug/l	99
90) Hexachloroethane	13.85	117	79032	46.761	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	216173	50.028	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	26090	54.737	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	94131	40.272	ug/l	99
94) Hexachlorobutadiene	14.98	225	62549	39.173	ug/l	99
95) Naphthalene	15.11	128	219026	40.880	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	91403	39.806	ug/l	99

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

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