

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064253.D
 Acq On : 22 Oct 2020 16:21
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 3:41:10 PM

Quant Time: Oct 23 02:08:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	299708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	469494	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	429225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	213841	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	219700	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
35) Dibromofluoromethane	7.55	113	164423	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
50) Toluene-d8	10.06	98	597916	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
62) 4-Bromofluorobenzene	12.38	95	234780	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	172996	47.291	ug/l	98
3) Chloromethane	2.04	50	176668	51.002	ug/l	99
4) Vinyl Chloride	2.16	62	171667	49.987	ug/l	100
5) Bromomethane	2.53	94	105533	47.144	ug/l	95
6) Chloroethane	2.67	64	98981	47.345	ug/l	100
7) Trichlorofluoromethane	2.98	101	283023	50.114	ug/l	99
8) Diethyl Ether	3.37	74	92766	49.656	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	147303	50.439	ug/l	100
10) Methyl Iodide	3.91	142	201930	48.623	ug/l	99
11) Tert butyl alcohol	4.73	59	141194	236.983	ug/l	99
12) 1,1-Dichloroethene	3.70	96	138906	49.451	ug/l	96
13) Acrolein	3.57	56	110904	296.534	ug/l	99
14) Allyl chloride	4.27	41	276135	49.117	ug/l	99
15) Acrylonitrile	4.92	53	310483	252.015	ug/l	99
16) Acetone	3.77	43	352485	276.783	ug/l	98
17) Carbon Disulfide	4.01	76	392080	48.934	ug/l	99
18) Methyl Acetate	4.27	43	160804	49.552	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	471338	48.808	ug/l	100
20) Methylene Chloride	4.50	84	158403	46.646	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	153032	49.406	ug/l	96
22) Diisopropyl ether	5.90	45	497676	47.620	ug/l	99
23) Vinyl Acetate	5.84	43	2310119	247.860	ug/l	100
24) 1,1-Dichloroethane	5.79	63	297495	49.137	ug/l	100
25) 2-Butanone	6.78	43	519131	256.575	ug/l	99
26) 2,2-Dichloropropane	6.77	77	297427	49.346	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	177646	49.248	ug/l	96
28) Bromochloromethane	7.15	49	148874	51.761	ug/l	99
29) Tetrahydrofuran	7.16	42	300849	248.576	ug/l	98
30) Chloroform	7.33	83	315899	48.916	ug/l	100
31) Cyclohexane	7.61	56	237610	45.034	ug/l	96
32) 1,1,1-Trichloroethane	7.52	97	305094	50.430	ug/l	98
36) 1,1-Dichloropropene	7.75	75	235462	50.306	ug/l	98
37) Ethyl Acetate	6.88	43	214709	50.523	ug/l	100
38) Carbon Tetrachloride	7.73	117	269610	50.627	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	217967	51.213	ug/l	97
40) Benzene	8.00	78	646768	50.057	ug/l	99
41) Methacrylonitrile	7.12	41	103801	46.564	ug/l	99
42) 1,2-Dichloroethane	8.08	62	270381	48.850	ug/l	99
43) Isopropyl Acetate	8.12	43	391119	49.383	ug/l #	91
44) Trichloroethene	8.80	130	179320	50.931	ug/l	96
45) 1,2-Dichloropropane	9.08	63	174740	50.660	ug/l	99
46) Dibromomethane	9.17	93	120820	52.165	ug/l	98
47) Bromodichloromethane	9.37	83	265526	51.891	ug/l	99
48) Methyl methacrylate	9.16	41	194950	47.120	ug/l	98
49) 1,4-Dioxane	9.16	88	49733	1027.368	ug/l	93
51) 4-Methyl-2-Pentanone	9.95	43	1092352	258.064	ug/l	99
52) Toluene	10.12	92	417486	50.498	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	298795	52.565	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	304209	50.828	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	158085	50.629	ug/l	99
56) Ethyl methacrylate	10.40	69	246154	50.985	ug/l	99
57) 1,3-Dichloropropane	10.68	76	277340	51.136	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	564237	226.956	ug/l	100
59) 2-Hexanone	10.72	43	822204	265.974	ug/l	99
60) Dibromochloromethane	10.87	129	200856	49.691	ug/l	100
61) 1,2-Dibromoethane	10.98	107	171839	52.153	ug/l	98
64) Tetrachloroethene	10.60	164	175442	50.771	ug/l	99
65) Chlorobenzene	11.41	112	450965	50.758	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	178390	50.583	ug/l	100
67) Ethyl Benzene	11.48	91	838774	51.370	ug/l	98
68) m/p-Xylenes	11.59	106	621326	102.705	ug/l	97
69) o-Xylene	11.92	106	293869	50.227	ug/l	97
70) Styrene	11.94	104	509580	51.960	ug/l	100
71) Bromoform	12.10	173	142723	52.388	ug/l #	96
73) Isopropylbenzene	12.22	105	804246	49.311	ug/l	99
74) N-amyl acetate	12.04	43	345534	49.030	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	214385	49.534	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	224835m	49.873	ug/l	
77) Bromobenzene	12.50	156	194540	50.525	ug/l	98
78) n-propylbenzene	12.56	91	921896	50.133	ug/l	100
79) 2-Chlorotoluene	12.65	91	565297	50.049	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	686969	49.823	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	88384	49.498	ug/l	99
82) 4-Chlorotoluene	12.75	91	593147	50.344	ug/l	99
83) tert-Butylbenzene	12.97	119	550647	48.710	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	697612	50.834	ug/l	98
85) sec-Butylbenzene	13.14	105	722292	50.681	ug/l	100
86) p-Isopropyltoluene	13.26	119	668767	51.531	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	347978	50.792	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	355546	50.703	ug/l	99
89) n-Butylbenzene	13.59	91	589805	50.698	ug/l	99
90) Hexachloroethane	13.85	117	112162	47.720	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	338195	50.318	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	52089	48.242	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	200288	53.132	ug/l	100
94) Hexachlorobutadiene	14.98	225	102897	50.609	ug/l	99
95) Naphthalene	15.10	128	578374	51.234	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	185882	49.786	ug/l	99

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

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