

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091224\
 Data File : VN083843.D
 Acq On : 12 Sep 2024 19:54
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/13/2024
 Supervised By : Mahesh Dadoda 09/13/2024

Quant Time: Sep 13 00:24:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	161065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	279917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	251954	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131735	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124554	51.286	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.580%			
35) Dibromofluoromethane	8.165	113	89727	50.071	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.140%			
50) Toluene-d8	10.565	98	324832	52.434	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.860%			
62) 4-Bromofluorobenzene	12.847	95	137512	53.802	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	86026	45.990	ug/l	99
3) Chloromethane	2.359	50	88143	45.997	ug/l	97
4) Vinyl Chloride	2.512	62	94409	46.047	ug/l	95
5) Bromomethane	2.901	94	51628	43.858	ug/l	96
6) Chloroethane	3.059	64	61243	42.584	ug/l	92
7) Trichlorofluoromethane	3.459	101	158208	45.459	ug/l	99
8) Diethyl Ether	3.953	74	57775	49.524	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.359	101	82915	44.949	ug/l	97
10) Methyl Iodide	4.577	142	107075	45.641	ug/l	95
11) Tert butyl alcohol	5.542	59	93118	286.326	ug/l	100
12) 1,1-Dichloroethene	4.324	96	80086	45.971	ug/l	97
13) Acrolein	4.177	56	64757	201.810	ug/l	98
14) Allyl chloride	5.012	41	146958	47.342	ug/l	97
15) Acrylonitrile	5.718	53	217741	246.193	ug/l	100
16) Acetone	4.430	43	185664	190.702	ug/l	98
17) Carbon Disulfide	4.700	76	204906	42.048	ug/l	99
18) Methyl Acetate	5.024	43	113703	56.286	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	310193	49.206	ug/l	98
20) Methylene Chloride	5.271	84	91654	46.004	ug/l	93
21) trans-1,2-Dichloroethene	5.777	96	83769	44.869	ug/l	92
22) Diisopropyl ether	6.671	45	310824	48.642	ug/l	99
23) Vinyl Acetate	6.600	43	1158101	247.484	ug/l	99
24) 1,1-Dichloroethane	6.559	63	171209	46.506	ug/l	98
25) 2-Butanone	7.483	43	300423	234.776	ug/l	99
26) 2,2-Dichloropropane	7.483	77	140986	41.585	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	104958	47.358	ug/l	99
28) Bromochloromethane	7.806	49	71744	46.277	ug/l	96
29) Tetrahydrofuran	7.836	42	192116	253.911	ug/l	99
30) Chloroform	7.965	83	183578	46.971	ug/l	96
31) Cyclohexane	8.253	56	145526	41.460	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	170942	47.567	ug/l	99
36) 1,1-Dichloropropene	8.365	75	124093	46.008	ug/l	98
37) Ethyl Acetate	7.559	43	123797	50.565	ug/l	99
38) Carbon Tetrachloride	8.359	117	146442	47.857	ug/l	99
39) Methylcyclohexane	9.600	83	136339	44.409	ug/l	98
40) Benzene	8.606	78	382303	47.092	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	68539	47.332	ug/l	96
42) 1,2-Dichloroethane	8.671	62	146735	48.371	ug/l	100
43) Isopropyl Acetate	8.688	43	324808	73.211	ug/l #	89
44) Trichloroethene	9.347	130	87625	46.610	ug/l	96
45) 1,2-Dichloropropane	9.624	63	92835	47.313	ug/l	95
46) Dibromomethane	9.706	93	67378	49.025	ug/l	98
47) Bromodichloromethane	9.888	83	145015	48.755	ug/l	97
48) Methyl methacrylate	9.677	41	109203	51.881	ug/l	97
49) 1,4-Dioxane	9.700	88	35633	1029.060	ug/l #	100
51) 4-Methyl-2-Pentanone	10.447	43	639920	264.971	ug/l	98
52) Toluene	10.629	92	236376	47.602	ug/l	95
53) t-1,3-Dichloropropene	10.835	75	147214	48.829	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	154217	48.696	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	87000	46.929	ug/l	98
56) Ethyl methacrylate	10.871	69	153403	53.784	ug/l	96
57) 1,3-Dichloropropane	11.165	76	156238	49.036	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	337762	328.653	ug/l	98
59) 2-Hexanone	11.194	43	477485	267.278	ug/l	98
60) Dibromochloromethane	11.359	129	104260	50.253	ug/l	99
61) 1,2-Dibromoethane	11.471	107	89555	48.438	ug/l	100
64) Tetrachloroethene	11.106	164	77850	46.462	ug/l	94
65) Chlorobenzene	11.894	112	252703	45.127	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	90541	46.640	ug/l	99
67) Ethyl Benzene	11.965	91	467469	46.993	ug/l	98
68) m/p-Xylenes	12.071	106	342687	92.789	ug/l	99
69) o-Xylene	12.394	106	169281	47.348	ug/l	100
70) Styrene	12.412	104	286974	48.908	ug/l	99
71) Bromoform	12.576	173	66736	51.015	ug/l #	99
73) Isopropylbenzene	12.694	105	440746	43.245	ug/l	100
74) N-amyl acetate	12.494	43	218555	50.261	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	130139	43.459	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	112560m	42.345	ug/l	
77) Bromobenzene	12.976	156	102948	41.963	ug/l	98
78) n-propylbenzene	13.035	91	504743	42.564	ug/l	100
79) 2-Chlorotoluene	13.123	91	320641	42.398	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	370647	43.135	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	43351	42.714	ug/l	93
82) 4-Chlorotoluene	13.218	91	324828	42.801	ug/l	100
83) tert-Butylbenzene	13.435	119	324344	43.144	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	379229	43.936	ug/l	99
85) sec-Butylbenzene	13.618	105	439784	44.110	ug/l	99
86) p-Isopropyltoluene	13.729	119	368973	44.148	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	189719	40.976	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	191978	40.949	ug/l	99
89) n-Butylbenzene	14.053	91	317707	42.339	ug/l	99
90) Hexachloroethane	14.335	117	70683	42.072	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	191572	42.873	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28911	48.432	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	99640	41.554	ug/l	99
94) Hexachlorobutadiene	15.500	225	42110	41.353	ug/l	99
95) Naphthalene	15.635	128	350430	48.037	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	98160	42.835	ug/l	99

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

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