

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110123\
 Data File : VN079764.D
 Acq On : 01 Nov 2023 11:14
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/02/2023
 Supervised By : Mahesh Dadoda 11/02/2023

Quant Time: Nov 02 04:52:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 04:50:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	320212	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	558865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	498891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	211314	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	32430	6.647	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	13.300%#		
35) Dibromofluoromethane	8.171	113	27333	6.910	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	13.820%#		
50) Toluene-d8	10.571	98	92471	6.350	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	12.700%#		
62) 4-Bromofluorobenzene	12.853	95	31411	6.504	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	13.000%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	28455	7.377	ug/l	98
3) Chloromethane	2.359	50	38110	7.085	ug/l	96
4) Vinyl Chloride	2.512	62	35571	7.045	ug/l	95
5) Bromomethane	2.959	94	23126	7.539	ug/l	96
6) Chloroethane	3.118	64	31002	7.890	ug/l	95
7) Trichlorofluoromethane	3.500	101	43547	6.935	ug/l	97
8) Diethyl Ether	3.965	74	16215	6.804	ug/l	64
9) 1,1,2-Trichlorotrifluo...	4.377	101	24968	6.859	ug/l	100
10) Methyl Iodide	4.589	142	28299	6.807	ug/l	97
11) Tert butyl alcohol	5.518	59	23263	37.324	ug/l	99
12) 1,1-Dichloroethene	4.347	96	24588	7.134	ug/l	95
13) Acrolein	4.189	56	25069	49.212	ug/l	94
14) Allyl chloride	5.030	41	41027	7.376	ug/l #	89
15) Acrylonitrile	5.724	53	66924	34.483	ug/l	98
16) Acetone	4.430	43	58814	34.321	ug/l	98
17) Carbon Disulfide	4.712	76	70684	7.110	ug/l	95
18) Methyl Acetate	5.030	43	56975	6.949	ug/l #	84
19) Methyl tert-butyl Ether	5.800	73	81764	6.890	ug/l	93
20) Methylene Chloride	5.277	84	30040	6.947	ug/l #	81
21) trans-1,2-Dichloroethene	5.788	96	27424	7.134	ug/l	84
22) Diisopropyl ether	6.671	45	88462	7.231	ug/l #	89
23) Vinyl Acetate	6.600	43	234035	33.679	ug/l #	86
24) 1,1-Dichloroethane	6.565	63	52401	7.047	ug/l	98
25) 2-Butanone	7.488	43	89982	35.858	ug/l #	80
26) 2,2-Dichloropropane	7.494	77	42298	6.878	ug/l	96
27) cis-1,2-Dichloroethene	7.488	96	32260	7.016	ug/l	89
28) Bromochloromethane	7.812	49	27343	7.545	ug/l #	81
29) Tetrahydrofuran	7.847	42	57228	35.053	ug/l #	78
30) Chloroform	7.965	83	56954	7.051	ug/l	88
31) Cyclohexane	8.253	56	48098	7.461	ug/l	89
32) 1,1,1-Trichloroethane	8.171	97	46180	7.017	ug/l	89
36) 1,1-Dichloropropene	8.377	75	38847	6.878	ug/l	96
37) Ethyl Acetate	7.559	43	38758	7.483	ug/l #	91
38) Carbon Tetrachloride	8.371	117	38500	6.764	ug/l	99
39) Methylcyclohexane	9.600	83	35272	6.636	ug/l #	86
40) Benzene	8.612	78	118363	6.997	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	20240	7.359	ug/l #	85
42) 1,2-Dichloroethane	8.671	62	42145	7.133	ug/l	99
43) Isopropyl Acetate	8.688	43	61152	6.732	ug/l #	90
44) Trichloroethene	9.359	130	28429	6.773	ug/l	90
45) 1,2-Dichloropropane	9.624	63	31468	7.279	ug/l	96
46) Dibromomethane	9.712	93	21737	7.364	ug/l	95
47) Bromodichloromethane	9.888	83	43068	6.842	ug/l	90
48) Methyl methacrylate	9.682	41	28051	7.050	ug/l #	79
49) 1,4-Dioxane	9.700	88	10711	152.356	ug/l #	81
51) 4-Methyl-2-Pentanone	10.447	43	186505	36.470	ug/l	89
52) Toluene	10.635	92	71615	7.141	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	42587	6.901	ug/l	92
54) cis-1,3-Dichloropropene	10.312	75	48154	7.159	ug/l #	88
55) 1,1,2-Trichloroethane	11.018	97	30127	7.469	ug/l	98
56) Ethyl methacrylate	10.876	69	39816	6.920	ug/l #	82
57) 1,3-Dichloropropane	11.165	76	50266	7.070	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.165	63	143852	49.331	ug/l	90
59) 2-Hexanone	11.200	43	138530	35.410	ug/l	87
60) Dibromochloromethane	11.359	129	30154	6.984	ug/l	97
61) 1,2-Dibromoethane	11.470	107	28682	7.085	ug/l	99
64) Tetrachloroethene	11.106	164	22930	7.097	ug/l	97
65) Chlorobenzene	11.894	112	77272	7.140	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	27945	7.167	ug/l	97
67) Ethyl Benzene	11.965	91	132566	7.031	ug/l	97
68) m/p-Xylenes	12.076	106	95816	13.642	ug/l	95
69) o-Xylene	12.400	106	48540	7.177	ug/l	99
70) Styrene	12.412	104	73105	6.726	ug/l	98
71) Bromoform	12.582	173	18943	6.842	ug/l #	99
73) Isopropylbenzene	12.700	105	115911	7.228	ug/l	98
74) N-amyl acetate	12.494	43	49700	7.100	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	41777	7.347	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	38506m	7.898	ug/l	
77) Bromobenzene	12.982	156	29212	7.440	ug/l	97
78) n-propylbenzene	13.041	91	129246	7.037	ug/l	100
79) 2-Chlorotoluene	13.123	91	82846	7.061	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	89016	7.134	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	11700	6.417	ug/l #	80
82) 4-Chlorotoluene	13.223	91	84027	7.207	ug/l	98
83) tert-Butylbenzene	13.441	119	74424	7.287	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	87845	7.156	ug/l	97
85) sec-Butylbenzene	13.617	105	100517	7.103	ug/l	99
86) p-Isopropyltoluene	13.735	119	82289	7.133	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	50304	6.887	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	51829	6.978	ug/l	90
89) n-Butylbenzene	14.059	91	69446	6.989	ug/l	99
90) Hexachloroethane	14.335	117	15663	6.855	ug/l	88
91) 1,2-Dichlorobenzene	14.106	146	53432	7.749	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	7431	7.706	ug/l	95
93) 1,2,4-Trichlorobenzene	15.400	180	22852	6.970	ug/l	95
94) Hexachlorobutadiene	15.506	225	11143	7.497	ug/l	98
95) Naphthalene	15.641	128	80646	7.253	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	24338	7.573	ug/l	93

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

