

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111623\
 Data File : VN080132.D
 Acq On : 16 Nov 2023 12:46
 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 11/17/2023
 Supervised By : Mahesh Dadoda 11/17/2023

Quant Time: Nov 17 01:07:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 00:59:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	252649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	414203	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	363687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	168429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	46827	11.225	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	22.460%#		
35) Dibromofluoromethane	8.171	113	33010	10.801	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	21.600%#		
50) Toluene-d8	10.571	98	115231	10.459	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	20.920%#		
62) 4-Bromofluorobenzene	12.853	95	42712	10.264	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	20.520%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	37390	9.935	ug/l	99
3) Chloromethane	2.359	50	28881	10.207	ug/l	95
4) Vinyl Chloride	2.518	62	30425	10.161	ug/l	94
5) Bromomethane	2.959	94	20956	10.309	ug/l	97
6) Chloroethane	3.124	64	21821	10.599	ug/l	98
7) Trichlorofluoromethane	3.500	101	60342	9.661	ug/l	99
8) Diethyl Ether	3.959	74	17647	9.714	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.371	101	27713	9.707	ug/l	97
10) Methyl Iodide	4.594	142	28150	9.124	ug/l #	82
11) Tert butyl alcohol	5.524	59	24122	52.582	ug/l	97
12) 1,1-Dichloroethene	4.342	96	26412	9.891	ug/l	85
13) Acrolein	4.183	56	19757	48.664	ug/l	94
14) Allyl chloride	5.024	41	36057	10.732	ug/l	94
15) Acrylonitrile	5.724	53	63251	51.360	ug/l	99
16) Acetone	4.430	43	60267	43.012	ug/l	96
17) Carbon Disulfide	4.718	76	75151	9.425	ug/l #	93
18) Methyl Acetate	5.030	43	45236	10.048	ug/l	95
19) Methyl tert-butyl Ether	5.800	73	94454	10.016	ug/l	98
20) Methylene Chloride	5.277	84	31197	10.632	ug/l #	87
21) trans-1,2-Dichloroethene	5.794	96	28819	9.824	ug/l #	81
22) Diisopropyl ether	6.671	45	76670	10.315	ug/l #	91
23) Vinyl Acetate	6.606	43	230040	51.483	ug/l	93
24) 1,1-Dichloroethane	6.571	63	53259	9.838	ug/l	98
25) 2-Butanone	7.488	43	77218	46.385	ug/l #	86
26) 2,2-Dichloropropane	7.494	77	51892	9.661	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	32437	9.753	ug/l	85
28) Bromochloromethane	7.812	49	23235	10.917	ug/l	99
29) Tetrahydrofuran	7.841	42	49853	55.779	ug/l	87
30) Chloroform	7.971	83	61173	10.110	ug/l	97
31) Cyclohexane	8.265	56	46227	10.189	ug/l	85
32) 1,1,1-Trichloroethane	8.171	97	59014	10.001	ug/l	95
36) 1,1-Dichloropropene	8.377	75	41460	9.370	ug/l	97
37) Ethyl Acetate	7.565	43	30006	9.776	ug/l	97
38) Carbon Tetrachloride	8.365	117	54029	9.622	ug/l	95
39) Methylcyclohexane	9.600	83	40868	9.579	ug/l	93
40) Benzene	8.606	78	123385	9.811	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	17533	10.402	ug/l	91
42) 1,2-Dichloroethane	8.671	62	50902	9.893	ug/l	94
43) Isopropyl Acetate	8.688	43	58862	9.855	ug/l #	93
44) Trichloroethene	9.359	130	32355	9.808	ug/l	96
45) 1,2-Dichloropropane	9.624	63	28794	9.852	ug/l	97
46) Dibromomethane	9.712	93	22261	10.062	ug/l	90
47) Bromodichloromethane	9.888	83	47879	9.839	ug/l	94
48) Methyl methacrylate	9.682	41	30109	9.782	ug/l	91
49) 1,4-Dioxane	9.700	88	10264	200.447	ug/l #	87
51) 4-Methyl-2-Pentanone	10.447	43	161155	52.116	ug/l	96
52) Toluene	10.635	92	78109	9.924	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	48628	9.726	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	49628	9.715	ug/l	93
55) 1,1,2-Trichloroethane	11.018	97	30288	10.083	ug/l	95
56) Ethyl methacrylate	10.876	69	30631	9.982	ug/l #	87
57) 1,3-Dichloropropane	11.165	76	51237	9.769	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	87154	50.412	ug/l	94
59) 2-Hexanone	11.200	43	116126	46.735	ug/l	96
60) Dibromochloromethane	11.359	129	35647	9.912	ug/l	100
61) 1,2-Dibromoethane	11.470	107	30467	9.942	ug/l	95
64) Tetrachloroethene	11.106	164	25906	9.334	ug/l	96
65) Chlorobenzene	11.894	112	79875	9.692	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.965	131	31964	9.995	ug/l	92
67) Ethyl Benzene	11.965	91	143126	9.760	ug/l	92
68) m/p-Xylenes	12.076	106	105859	19.799	ug/l	90
69) o-Xylene	12.400	106	50093	9.941	ug/l	89
70) Styrene	12.412	104	72423	9.657	ug/l	92
71) Bromoform	12.582	173	23976	10.110	ug/l #	98
73) Isopropylbenzene	12.700	105	130402	9.963	ug/l	99
74) N-amyl acetate	12.500	43	41839	10.251	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	40949	10.454	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	38568m	9.392	ug/l	
77) Bromobenzene	12.982	156	32953	9.986	ug/l	99
78) n-propylbenzene	13.041	91	145956	9.973	ug/l	100
79) 2-Chlorotoluene	13.123	91	97201	10.226	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	113312	9.946	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.735	75	11900	9.742	ug/l #	82
82) 4-Chlorotoluene	13.223	91	98402	10.105	ug/l	96
83) tert-Butylbenzene	13.441	119	89662	9.814	ug/l	93
84) 1,2,4-Trimethylbenzene	13.488	105	110181	9.821	ug/l	98
85) sec-Butylbenzene	13.617	105	113870	9.852	ug/l	99
86) p-Isopropyltoluene	13.729	119	99887	9.674	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	56551	9.512	ug/l	98
88) 1,4-Dichlorobenzene	13.811	146	59013	9.877	ug/l	95
89) n-Butylbenzene	14.059	91	80608	9.328	ug/l	98
90) Hexachloroethane	14.335	117	19541	9.708	ug/l	75
91) 1,2-Dichlorobenzene	14.106	146	55612	9.775	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.723	75	9109	10.011	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	30321	9.164	ug/l	98
94) Hexachlorobutadiene	15.506	225	17178	9.021	ug/l	98
95) Naphthalene	15.647	128	90640	9.447	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	29407	9.482	ug/l	94

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

