

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103023\
 Data File : VN079719.D
 Acq On : 30 Oct 2023 11:22
 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 10/31/2023
 Supervised By : Mahesh Dadoda 10/31/2023

Quant Time: Oct 31 07:10:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103023W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 07:05:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	297396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	517086	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	450933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	160326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	48163	10.085	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	20.160%#		
35) Dibromofluoromethane	8.171	113	37516	10.154	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	20.300%#		
50) Toluene-d8	10.571	98	134625	9.774	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	19.540%#		
62) 4-Bromofluorobenzene	12.853	95	38768	8.938	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	17.880%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	41903	10.673	ug/l	94
3) Chloromethane	2.365	50	50393	10.596	ug/l	96
4) Vinyl Chloride	2.518	62	53988	10.540	ug/l	99
5) Bromomethane	2.965	94	37785	11.238	ug/l	98
6) Chloroethane	3.124	64	38493	10.259	ug/l	93
7) Trichlorofluoromethane	3.501	101	63232	10.498	ug/l	94
8) Diethyl Ether	3.965	74	21643	9.929	ug/l #	57
9) 1,1,2-Trichlorotrifluo...	4.365	101	36465	10.453	ug/l	99
10) Methyl Iodide	4.595	142	33486	9.537	ug/l #	95
11) Tert butyl alcohol	5.524	59	31534	49.781	ug/l #	90
12) 1,1-Dichloroethene	4.342	96	33405	10.223	ug/l	83
13) Acrolein	4.183	56	31125	48.846	ug/l	97
14) Allyl chloride	5.030	41	58057	10.595	ug/l #	89
15) Acrylonitrile	5.730	53	102411	52.539	ug/l	98
16) Acetone	4.436	43	102301	50.068	ug/l #	87
17) Carbon Disulfide	4.718	76	105544	10.578	ug/l	99
18) Methyl Acetate	5.030	43	86363	10.477	ug/l #	83
19) Methyl tert-butyl Ether	5.800	73	112147	10.144	ug/l #	89
20) Methylene Chloride	5.277	84	42516	10.508	ug/l	88
21) trans-1,2-Dichloroethene	5.789	96	37748	10.178	ug/l #	77
22) Diisopropyl ether	6.677	45	127892	10.382	ug/l #	90
23) Vinyl Acetate	6.612	43	335558	49.474	ug/l #	85
24) 1,1-Dichloroethane	6.577	63	77497	10.498	ug/l	96
25) 2-Butanone	7.489	43	138974	49.516	ug/l #	81
26) 2,2-Dichloropropane	7.500	77	60777	10.175	ug/l	97
27) cis-1,2-Dichloroethene	7.489	96	43365	10.155	ug/l	88
28) Bromochloromethane	7.812	49	35744	9.899	ug/l #	75
29) Tetrahydrofuran	7.847	42	88497	51.612	ug/l #	76
30) Chloroform	7.971	83	78350	10.540	ug/l	95
31) Cyclohexane	8.259	56	69935	10.733	ug/l #	81
32) 1,1,1-Trichloroethane	8.171	97	67761	10.516	ug/l	92
36) 1,1-Dichloropropene	8.377	75	57476	10.486	ug/l	92
37) Ethyl Acetate	7.571	43	54348	10.003	ug/l #	93
38) Carbon Tetrachloride	8.365	117	55184	10.096	ug/l	97
39) Methylcyclohexane	9.600	83	54714	10.035	ug/l #	85
40) Benzene	8.612	78	166117	10.268	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	28159	9.937	ug/l #	85
42) 1,2-Dichloroethane	8.677	62	62068	10.563	ug/l	99
43) Isopropyl Acetate	8.694	43	88439	10.182	ug/l #	91
44) Trichloroethene	9.353	130	40927	10.444	ug/l	98
45) 1,2-Dichloropropane	9.630	63	43797	10.193	ug/l	97
46) Dibromomethane	9.712	93	31021	10.705	ug/l	96
47) Bromodichloromethane	9.894	83	59772	10.282	ug/l	96
48) Methyl methacrylate	9.682	41	39343	9.770	ug/l #	82
49) 1,4-Dioxane	9.700	88	14388	203.042	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	275110	50.904	ug/l	89
52) Toluene	10.635	92	97480	9.870	ug/l	93
53) t-1,3-Dichloropropene	10.841	75	56949	9.701	ug/l	93
54) cis-1,3-Dichloropropene	10.318	75	65394	10.182	ug/l #	87
55) 1,1,2-Trichloroethane	11.018	97	41413	10.603	ug/l	94
56) Ethyl methacrylate	10.877	69	53088	9.624	ug/l #	81
57) 1,3-Dichloropropane	11.165	76	69591	10.181	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	90766	44.663	ug/l	90
59) 2-Hexanone	11.200	43	194902	49.047	ug/l	85
60) Dibromochloromethane	11.365	129	41864	10.358	ug/l	99
61) 1,2-Dibromoethane	11.471	107	39879	10.248	ug/l	97
64) Tetrachloroethene	11.106	164	35563	11.117	ug/l	92
65) Chlorobenzene	11.894	112	101521	10.172	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	39612	10.681	ug/l	98
67) Ethyl Benzene	11.965	91	175586	9.986	ug/l	100
68) m/p-Xylenes	12.076	106	130989	20.141	ug/l	94
69) o-Xylene	12.406	106	62919	10.061	ug/l	95
70) Styrene	12.418	104	95521	9.535	ug/l	96
71) Bromoform	12.582	173	26441	9.954	ug/l #	100
73) Isopropylbenzene	12.700	105	157535	10.848	ug/l	99
74) N-amyl acetate	12.500	43	61054	10.570	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	58081	11.297	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	51362m	12.191	ug/l	
77) Bromobenzene	12.982	156	36892	10.803	ug/l	93
78) n-propylbenzene	13.041	91	177448	10.608	ug/l	98
79) 2-Chlorotoluene	13.129	91	113752	10.909	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	128194	10.830	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	15028	10.413	ug/l #	83
82) 4-Chlorotoluene	13.229	91	107579	10.741	ug/l	98
83) tert-Butylbenzene	13.441	119	105130	10.837	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	122058	10.688	ug/l	99
85) sec-Butylbenzene	13.623	105	144409	10.672	ug/l	99
86) p-Isopropyltoluene	13.735	119	111084	10.307	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	59674	10.329	ug/l	97
88) 1,4-Dichlorobenzene	13.818	146	59489	10.336	ug/l	97
89) n-Butylbenzene	14.059	91	82048	9.582	ug/l	97
90) Hexachloroethane	14.335	117	24886	10.928	ug/l	88
91) 1,2-Dichlorobenzene	14.106	146	60721	10.806	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.729	75	8622	10.874	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	14950	8.926	ug/l	95
94) Hexachlorobutadiene	15.506	225	16359	11.008	ug/l	98
95) Naphthalene	15.641	128	43722	8.991	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	17940	9.591	ug/l	99

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

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