

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081023\
 Data File : VN078828.D
 Acq On : 10 Aug 2023 11:31
 Operator : JC\MD
 Sample : VN0810WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/11/2023
 Supervised By : Mahesh Dadoda 08/11/2023

Quant Time: Aug 10 23:48:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080723W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 05:03:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.236	168	149328	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	265893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	230860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	82550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	121686	54.357	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.720%			
35) Dibromofluoromethane	8.177	113	96419	53.697	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.400%			
50) Toluene-d8	10.571	98	358353	54.232	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.460%			
62) 4-Bromofluorobenzene	12.853	95	104883	53.110	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.220%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	38656	17.541	ug/l	99
3) Chloromethane	2.371	50	43621	16.969	ug/l	97
4) Vinyl Chloride	2.518	62	45280	18.655	ug/l	97
5) Bromomethane	2.965	94	29289	17.038	ug/l	92
6) Chloroethane	3.130	64	29331	18.379	ug/l	94
7) Trichlorofluoromethane	3.512	101	59094	17.725	ug/l	90
8) Diethyl Ether	3.965	74	20315	16.699	ug/l #	50
9) 1,1,2-Trichlorotrifluo...	4.377	101	31430	18.099	ug/l #	83
10) Methyl Iodide	4.595	142	39722	17.813	ug/l #	94
11) Tert butyl alcohol	5.542	59	30345	77.235	ug/l	98
12) 1,1-Dichloroethene	4.348	96	30068	17.229	ug/l #	93
13) Acrolein	4.195	56	27549	82.872	ug/l	97
14) Allyl chloride	5.042	41	56028	19.281	ug/l #	91
15) Acrylonitrile	5.736	53	92034	89.950	ug/l	98
16) Acetone	4.436	43	78239	90.834	ug/l	92
17) Carbon Disulfide	4.724	76	85966	17.268	ug/l	96
18) Methyl Acetate	5.036	43	65742	16.994	ug/l #	81
19) Methyl tert-butyl Ether	5.806	73	106168	18.009	ug/l	99
20) Methylene Chloride	5.289	84	37730	17.687	ug/l #	83
21) trans-1,2-Dichloroethene	5.795	96	33742	17.277	ug/l	89
22) Diisopropyl ether	6.689	45	120660	17.284	ug/l #	85
23) Vinyl Acetate	6.618	43	383326	87.499	ug/l #	87
24) 1,1-Dichloroethane	6.583	63	69922	18.419	ug/l	98
25) 2-Butanone	7.500	43	120097	82.339	ug/l #	75
26) 2,2-Dichloropropane	7.500	77	54366	20.508	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	38961	17.376	ug/l	86
28) Bromochloromethane	7.818	49	41443	20.147	ug/l #	73
29) Tetrahydrofuran	7.847	42	83199	85.240	ug/l #	72
30) Chloroform	7.971	83	69072	18.066	ug/l	95
31) Cyclohexane	8.265	56	57998	17.632	ug/l	84
32) 1,1,1-Trichloroethane	8.177	97	57581	17.719	ug/l #	92
36) 1,1-Dichloropropene	8.383	75	49071	17.615	ug/l	96
37) Ethyl Acetate	7.571	43	49086	16.573	ug/l #	95
38) Carbon Tetrachloride	8.365	117	50491	17.582	ug/l	94
39) Methylcyclohexane	9.606	83	43852	16.853	ug/l	93
40) Benzene	8.612	78	154686	18.359	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	28670	17.409	ug/l #	82
42) 1,2-Dichloroethane	8.683	62	54469	17.985	ug/l	97
43) Isopropyl Acetate	8.700	43	88629	17.748	ug/l #	86
44) Trichloroethene	9.359	130	36245	17.564	ug/l	93
45) 1,2-Dichloropropane	9.624	63	39185	17.348	ug/l	98
46) Dibromomethane	9.718	93	26529	17.647	ug/l	93
47) Bromodichloromethane	9.894	83	55468	18.538	ug/l	99
48) Methyl methacrylate	9.688	41	37532	16.266	ug/l #	83
49) 1,4-Dioxane	9.700	88	11514	307.307	ug/l #	78
51) 4-Methyl-2-Pentanone	10.447	43	259463	84.828	ug/l #	85
52) Toluene	10.635	92	91552	17.792	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	52645	17.219	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	61382	18.480	ug/l #	86
55) 1,1,2-Trichloroethane	11.024	97	35789	17.497	ug/l	91
56) Ethyl methacrylate	10.882	69	50836	17.139	ug/l #	76
57) 1,3-Dichloropropane	11.171	76	65353	18.377	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.165	63	98830	92.811	ug/l	89
59) 2-Hexanone	11.200	43	183140	84.559	ug/l	82
60) Dibromochloromethane	11.365	129	38514	17.940	ug/l	99
61) 1,2-Dibromoethane	11.471	107	35717	17.630	ug/l	100
64) Tetrachloroethene	11.112	164	32778	18.427	ug/l	95
65) Chlorobenzene	11.894	112	96053	18.270	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	35944	17.652	ug/l	98
67) Ethyl Benzene	11.971	91	158843	16.962	ug/l	99
68) m/p-Xylenes	12.076	106	120624	34.914	ug/l	100
69) o-Xylene	12.406	106	59318	17.491	ug/l	99
70) Styrene	12.418	104	93577	17.581	ug/l	96
71) Bromoform	12.582	173	24099	16.968	ug/l #	95
73) Isopropylbenzene	12.700	105	143381	17.648	ug/l	98
74) N-amyl acetate	12.500	43	61870	16.787	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.941	83	49937	18.086	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	47484m	21.275	ug/l	
77) Bromobenzene	12.982	156	32982	17.301	ug/l	91
78) n-propylbenzene	13.041	91	163172	18.273	ug/l	97
79) 2-Chlorotoluene	13.129	91	104234	18.169	ug/l	100
80) 1,3,5-Trimethylbenzene	13.182	105	115946	17.815	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	15639	18.803	ug/l #	77
82) 4-Chlorotoluene	13.229	91	96505	18.388	ug/l	99
83) tert-Butylbenzene	13.447	119	95165	17.556	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	108921	17.413	ug/l	98
85) sec-Butylbenzene	13.623	105	125235	17.669	ug/l	98
86) p-Isopropyltoluene	13.735	119	95580	16.959	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	54386	17.863	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	54481	18.051	ug/l	99
89) n-Butylbenzene	14.065	91	69125	16.346	ug/l	99
90) Hexachloroethane	14.335	117	20917	17.907	ug/l	97
91) 1,2-Dichlorobenzene	14.112	146	53858	18.362	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.729	75	7459	17.612	ug/l	91
93) 1,2,4-Trichlorobenzene	15.400	180	11404	13.838	ug/l	89
94) Hexachlorobutadiene	15.500	225	9301	14.501	ug/l	93
95) Naphthalene	15.641	128	35320	12.840	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	14856	15.139	ug/l	96

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

