

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100923\
 Data File : VN079465.D
 Acq On : 09 Oct 2023 12:23
 Operator : JC\MD
 Sample : VN1009WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/10/2023
 Supervised By : Mahesh Dadoda 10/10/2023

Quant Time: Oct 09 23:12:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	231762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	399408	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	366446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	194857	51.853	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.700%			
35) Dibromofluoromethane	8.171	113	147333	51.330	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.660%			
50) Toluene-d8	10.571	98	554158	53.359	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.720%			
62) 4-Bromofluorobenzene	12.853	95	166170	49.857	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.720%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	61502	18.519	ug/l	96
3) Chloromethane	2.365	50	70821	17.091	ug/l	99
4) Vinyl Chloride	2.518	62	77525	17.986	ug/l	98
5) Bromomethane	2.948	94	45345	17.574	ug/l	91
6) Chloroethane	3.118	64	49800	15.325	ug/l	92
7) Trichlorofluoromethane	3.501	101	91636	18.006	ug/l	97
8) Diethyl Ether	3.965	74	33744	18.599	ug/l	65
9) 1,1,2-Trichlorotrifluo...	4.377	101	53762	18.077	ug/l	98
10) Methyl Iodide	4.589	142	52000	20.150	ug/l	97
11) Tert butyl alcohol	5.536	59	44989	79.544	ug/l	98
12) 1,1-Dichloroethene	4.348	96	47697	17.419	ug/l	89
13) Acrolein	4.177	56	52293	92.855	ug/l	95
14) Allyl chloride	5.024	41	86057	19.475	ug/l #	87
15) Acrylonitrile	5.724	53	150201	91.601	ug/l	99
16) Acetone	4.430	43	147882	99.217	ug/l	94
17) Carbon Disulfide	4.712	76	144173	16.879	ug/l	97
18) Methyl Acetate	5.024	43	123964	16.993	ug/l #	85
19) Methyl tert-butyl Ether	5.800	73	164878	18.531	ug/l	95
20) Methylene Chloride	5.277	84	61535	18.474	ug/l #	84
21) trans-1,2-Dichloroethene	5.789	96	56025	17.518	ug/l #	83
22) Diisopropyl ether	6.677	45	186666	18.838	ug/l #	91
23) Vinyl Acetate	6.612	43	517186	92.790	ug/l #	86
24) 1,1-Dichloroethane	6.577	63	107319	17.697	ug/l	95
25) 2-Butanone	7.488	43	202865	91.703	ug/l #	79
26) 2,2-Dichloropropane	7.488	77	85521	18.453	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	63960	18.409	ug/l	86
28) Bromochloromethane	7.818	49	55615	19.275	ug/l #	75
29) Tetrahydrofuran	7.841	42	124630	87.109	ug/l #	76
30) Chloroform	7.971	83	111087	18.130	ug/l	94
31) Cyclohexane	8.259	56	92777	17.405	ug/l	86
32) 1,1,1-Trichloroethane	8.171	97	95118	18.446	ug/l	96
36) 1,1-Dichloropropene	8.371	75	79077	18.356	ug/l	94
37) Ethyl Acetate	7.565	43	79688	18.590	ug/l #	90
38) Carbon Tetrachloride	8.371	117	80164	18.588	ug/l	96
39) Methylcyclohexane	9.600	83	79163	19.127	ug/l #	86
40) Benzene	8.612	78	244016	19.073	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	42730	18.961	ug/l #	84
42) 1,2-Dichloroethane	8.677	62	87679	18.861	ug/l	97
43) Isopropyl Acetate	8.694	43	141550	18.849	ug/l #	87
44) Trichloroethene	9.359	130	55631	18.475	ug/l	94
45) 1,2-Dichloropropane	9.624	63	65119	19.318	ug/l	99
46) Dibromomethane	9.712	93	43712	20.022	ug/l	96
47) Bromodichloromethane	9.888	83	87847	19.561	ug/l	99
48) Methyl methacrylate	9.688	41	60010	18.648	ug/l #	83
49) 1,4-Dioxane	9.700	88	23695	399.742	ug/l #	77
51) 4-Methyl-2-Pentanone	10.447	43	398268	93.947	ug/l	88
52) Toluene	10.635	92	144911	19.242	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	88620	19.582	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	98477	19.878	ug/l #	86
55) 1,1,2-Trichloroethane	11.018	97	58682	19.409	ug/l	97
56) Ethyl methacrylate	10.882	69	79682	19.180	ug/l #	80
57) 1,3-Dichloropropane	11.165	76	105353	20.180	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	150666	94.697	ug/l	91
59) 2-Hexanone	11.200	43	289864	94.755	ug/l	87
60) Dibromochloromethane	11.365	129	58824	19.359	ug/l	98
61) 1,2-Dibromoethane	11.471	107	57673	19.222	ug/l	100
64) Tetrachloroethene	11.106	164	45780	18.160	ug/l	96
65) Chlorobenzene	11.894	112	147731	18.103	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	56319	18.848	ug/l	97
67) Ethyl Benzene	11.965	91	262613	18.514	ug/l	98
68) m/p-Xylenes	12.076	106	199191	38.649	ug/l	96
69) o-Xylene	12.400	106	94737	18.691	ug/l	93
70) Styrene	12.418	104	151075	18.870	ug/l	99
71) Bromoform	12.582	173	38678	17.686	ug/l #	99
73) Isopropylbenzene	12.700	105	236622	17.838	ug/l	99
74) N-amyl acetate	12.500	43	97256	17.884	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	86461	19.452	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	76780m	18.677	ug/l	
77) Bromobenzene	12.982	156	55015	16.915	ug/l	90
78) n-propylbenzene	13.041	91	280311	18.678	ug/l	97
79) 2-Chlorotoluene	13.129	91	172949	18.009	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	199175	19.042	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	28687	20.247	ug/l #	84
82) 4-Chlorotoluene	13.223	91	167506	18.330	ug/l	99
83) tert-Butylbenzene	13.441	119	160464	18.724	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	195991	19.634	ug/l	99
85) sec-Butylbenzene	13.618	105	223727	18.716	ug/l	100
86) p-Isopropyltoluene	13.735	119	180311	19.663	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	92956	18.019	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	92155	17.301	ug/l	99
89) n-Butylbenzene	14.059	91	140231	19.150	ug/l	96
90) Hexachloroethane	14.335	117	38248	19.916	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	91352	18.154	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	12430	16.205	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	24159	15.502	ug/l	97
94) Hexachlorobutadiene	15.506	225	22494	18.532	ug/l	98
95) Naphthalene	15.647	128	61358	12.893	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	27718	14.904	ug/l	100

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

