

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100923\
 Data File : VN079475.D
 Acq On : 09 Oct 2023 16:24
 Operator : JC\MD
 Sample : VN1009WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBSD02

Manual Integrations
 APPROVED

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

Quant Time: Oct 09 23:16:50 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	237165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	422485	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	385188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	152717	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	198070	51.508	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.020%			
35) Dibromofluoromethane	8.171	113	152321	50.169	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.340%			
50) Toluene-d8	10.571	98	577028	52.526	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.060%			
62) 4-Bromofluorobenzene	12.853	95	176183	49.974	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.940%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	64590	19.006	ug/l	100
3) Chloromethane	2.365	50	76283	17.989	ug/l	100
4) Vinyl Chloride	2.518	62	82589	18.725	ug/l	95
5) Bromomethane	2.948	94	43160	16.346	ug/l	99
6) Chloroethane	3.118	64	55590	16.717	ug/l	95
7) Trichlorofluoromethane	3.495	101	96353	18.502	ug/l	94
8) Diethyl Ether	3.971	74	32533	17.523	ug/l	58
9) 1,1,2-Trichlorotrifluo...	4.383	101	52827	17.358	ug/l	97
10) Methyl Iodide	4.594	142	56136	21.257	ug/l	94
11) Tert butyl alcohol	5.541	59	43892	75.837	ug/l	99
12) 1,1-Dichloroethene	4.342	96	48991	17.484	ug/l #	79
13) Acrolein	4.183	56	68983	119.701	ug/l	98
14) Allyl chloride	5.030	41	77981	17.245	ug/l #	91
15) Acrylonitrile	5.724	53	152741	91.028	ug/l	98
16) Acetone	4.436	43	131546	86.247	ug/l	93
17) Carbon Disulfide	4.712	76	150848	17.258	ug/l	99
18) Methyl Acetate	5.030	43	133308	17.857	ug/l #	84
19) Methyl tert-butyl Ether	5.794	73	164925	18.114	ug/l	97
20) Methylene Chloride	5.283	84	63093	18.511	ug/l #	81
21) trans-1,2-Dichloroethene	5.789	96	56292	17.200	ug/l #	77
22) Diisopropyl ether	6.677	45	193288	19.062	ug/l #	90
23) Vinyl Acetate	6.612	43	496224	87.001	ug/l #	87
24) 1,1-Dichloroethane	6.577	63	111158	17.912	ug/l	97
25) 2-Butanone	7.488	43	197041	87.041	ug/l #	82
26) 2,2-Dichloropropane	7.500	77	82119	17.315	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	64265	18.075	ug/l	87
28) Bromochloromethane	7.812	49	60200	20.388	ug/l #	74
29) Tetrahydrofuran	7.841	42	135309	92.419	ug/l #	74
30) Chloroform	7.965	83	113469	18.097	ug/l	91
31) Cyclohexane	8.265	56	96512	17.694	ug/l	86
32) 1,1,1-Trichloroethane	8.177	97	97733	18.522	ug/l	96
36) 1,1-Dichloropropene	8.377	75	83319	18.285	ug/l	95
37) Ethyl Acetate	7.565	43	86664	19.113	ug/l #	90
38) Carbon Tetrachloride	8.371	117	84897	18.610	ug/l	92
39) Methylcyclohexane	9.606	83	77369	17.672	ug/l #	83
40) Benzene	8.612	78	253854	18.758	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	44854	18.817	ug/l #	86
42) 1,2-Dichloroethane	8.677	62	90944	18.494	ug/l	98
43) Isopropyl Acetate	8.694	43	153756	19.356	ug/l #	85
44) Trichloroethene	9.359	130	57482	18.047	ug/l	96
45) 1,2-Dichloropropane	9.624	63	64971	18.222	ug/l	93
46) Dibromomethane	9.712	93	44355	19.207	ug/l	97
47) Bromodichloromethane	9.888	83	90636	19.080	ug/l	99
48) Methyl methacrylate	9.688	41	61655	18.112	ug/l #	80
49) 1,4-Dioxane	9.700	88	22196	354.000	ug/l #	67
51) 4-Methyl-2-Pentanone	10.447	43	416658	92.917	ug/l	89
52) Toluene	10.635	92	154077	19.342	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	85888	17.942	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	98334	18.764	ug/l #	88
55) 1,1,2-Trichloroethane	11.018	97	61226	19.145	ug/l	97
56) Ethyl methacrylate	10.876	69	82643	18.806	ug/l #	80
57) 1,3-Dichloropropane	11.165	76	106914	19.361	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	159860	94.987	ug/l	89
59) 2-Hexanone	11.200	43	296039	91.487	ug/l	86
60) Dibromochloromethane	11.365	129	61894	19.257	ug/l	99
61) 1,2-Dibromoethane	11.471	107	58346	18.384	ug/l	98
64) Tetrachloroethene	11.106	164	45556	17.192	ug/l	95
65) Chlorobenzene	11.894	112	154372	17.996	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	57078	18.173	ug/l	98
67) Ethyl Benzene	11.970	91	271426	18.204	ug/l	96
68) m/p-Xylenes	12.076	106	202203	37.325	ug/l	93
69) o-Xylene	12.400	106	94554	17.747	ug/l	92
70) Styrene	12.418	104	156865	18.640	ug/l	98
71) Bromoform	12.582	173	40303	17.533	ug/l #	99
73) Isopropylbenzene	12.700	105	245519	17.281	ug/l	100
74) N-amyl acetate	12.500	43	94946	16.301	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	88690	18.576	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	79611m	18.080	ug/l	
77) Bromobenzene	12.982	156	57295	16.447	ug/l	93
78) n-propylbenzene	13.041	91	284702	17.711	ug/l	97
79) 2-Chlorotoluene	13.129	91	174375	16.952	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	200572	17.903	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	25079	16.526	ug/l	86
82) 4-Chlorotoluene	13.223	91	171055	17.476	ug/l	96
83) tert-Butylbenzene	13.441	119	160413	17.476	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	197043	18.429	ug/l	100
85) sec-Butylbenzene	13.623	105	233936	18.272	ug/l	99
86) p-Isopropyltoluene	13.735	119	180174	18.344	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	97214	17.594	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	93997	16.475	ug/l	98
89) n-Butylbenzene	14.059	91	135397	17.263	ug/l	97
90) Hexachloroethane	14.335	117	39944	19.392	ug/l	91
91) 1,2-Dichlorobenzene	14.112	146	93982	17.438	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13729	16.711	ug/l	92
93) 1,2,4-Trichlorobenzene	15.394	180	23615	14.147	ug/l	99
94) Hexachlorobutadiene	15.506	225	22217	17.089	ug/l	96
95) Naphthalene	15.647	128	57409	11.263	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	27515	13.813	ug/l	98

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

