

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071224\
 Data File : VN082893.D
 Acq On : 12 Jul 2024 12:39
 Operator : JC\MD
 Sample : VN0712WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0712WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/15/2024
 Supervised By : Mahesh Dadoda 07/15/2024

Quant Time: Jul 15 01:09:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	122498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	211497	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	174747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	79190	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	91852	53.490	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.980%			
35) Dibromofluoromethane	8.171	113	68739	50.651	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.300%			
50) Toluene-d8	10.565	98	229571	45.800	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.600%			
62) 4-Bromofluorobenzene	12.847	95	76794	42.651	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 85.300%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	30197	19.041	ug/l	94
3) Chloromethane	2.359	50	27999	18.616	ug/l	99
4) Vinyl Chloride	2.518	62	29297	18.547	ug/l	99
5) Bromomethane	2.959	94	18211	15.990	ug/l	91
6) Chloroethane	3.124	64	20029	18.529	ug/l	91
7) Trichlorofluoromethane	3.495	101	39665	17.459	ug/l	96
8) Diethyl Ether	3.959	74	15041	19.345	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.365	101	25911	20.151	ug/l	97
10) Methyl Iodide	4.589	142	21261	16.128	ug/l	94
11) Tert butyl alcohol	5.524	59	25384	87.889	ug/l	97
12) 1,1-Dichloroethene	4.336	96	23221	18.569	ug/l	87
13) Acrolein	4.177	56	21460	102.916	ug/l	92
14) Allyl chloride	5.024	41	36191	18.562	ug/l #	94
15) Acrylonitrile	5.718	53	66327	99.928	ug/l	98
16) Acetone	4.430	43	55822	92.333	ug/l	94
17) Carbon Disulfide	4.712	76	64758	17.330	ug/l	99
18) Methyl Acetate	5.024	43	32121	20.079	ug/l #	89
19) Methyl tert-butyl Ether	5.800	73	81767	18.956	ug/l	97
20) Methylene Chloride	5.277	84	28521	19.534	ug/l #	80
21) trans-1,2-Dichloroethene	5.789	96	25160	18.569	ug/l	88
22) Diisopropyl ether	6.671	45	84783	20.785	ug/l #	94
23) Vinyl Acetate	6.606	43	332949	102.782	ug/l #	95
24) 1,1-Dichloroethane	6.571	63	48865	19.749	ug/l	99
25) 2-Butanone	7.489	43	88132	96.544	ug/l	97
26) 2,2-Dichloropropane	7.489	77	42415	18.437	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	29640	18.685	ug/l	92
28) Bromochloromethane	7.818	49	25227	23.766	ug/l	90
29) Tetrahydrofuran	7.841	42	56831	98.888	ug/l #	88
30) Chloroform	7.959	83	52611	20.043	ug/l	99
31) Cyclohexane	8.259	56	41408	18.445	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	45840	18.809	ug/l	96
36) 1,1-Dichloropropene	8.371	75	34313	18.338	ug/l	99
37) Ethyl Acetate	7.565	43	35877	18.833	ug/l #	95
38) Carbon Tetrachloride	8.359	117	40080	17.791	ug/l	98
39) Methylcyclohexane	9.600	83	33350	16.501	ug/l	96
40) Benzene	8.606	78	110439	19.188	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	19750	19.244	ug/l	94
42) 1,2-Dichloroethane	8.671	62	40630	19.609	ug/l	96
43) Isopropyl Acetate	8.688	43	67859	16.929	ug/l	96
44) Trichloroethene	9.353	130	25490	17.286	ug/l	97
45) 1,2-Dichloropropane	9.624	63	27852	20.728	ug/l	98
46) Dibromomethane	9.712	93	20579	19.658	ug/l	97
47) Bromodichloromethane	9.888	83	42583	19.687	ug/l #	99
48) Methyl methacrylate	9.683	41	28236	18.903	ug/l	89
49) 1,4-Dioxane	9.700	88	11925	361.841	ug/l #	89
51) 4-Methyl-2-Pentanone	10.447	43	171608	90.868	ug/l	94
52) Toluene	10.630	92	62088	17.269	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	37517	16.837	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	44174	18.729	ug/l #	87
55) 1,1,2-Trichloroethane	11.018	97	23783	17.989	ug/l	96
56) Ethyl methacrylate	10.877	69	35321	17.172	ug/l	87
57) 1,3-Dichloropropane	11.165	76	40537	17.322	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	101246	95.927	ug/l	97
59) 2-Hexanone	11.194	43	119035	84.777	ug/l	93
60) Dibromochloromethane	11.359	129	28506	16.929	ug/l	100
61) 1,2-Dibromoethane	11.471	107	24807	17.669	ug/l	98
64) Tetrachloroethene	11.106	164	22777	17.471	ug/l	91
65) Chlorobenzene	11.888	112	68689	18.344	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	24791	18.613	ug/l	99
67) Ethyl Benzene	11.965	91	110508	17.559	ug/l	97
68) m/p-Xylenes	12.071	106	84309	35.483	ug/l	98
69) o-Xylene	12.400	106	40985	18.002	ug/l	94
70) Styrene	12.412	104	69434	18.458	ug/l	99
71) Bromoform	12.582	173	18235	17.408	ug/l #	95
73) Isopropylbenzene	12.700	105	101575	17.652	ug/l	100
74) N-amyl acetate	12.494	43	45114	18.954	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	33575	19.482	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	29995m	21.970	ug/l	
77) Bromobenzene	12.982	156	26908	18.126	ug/l	94
78) n-propylbenzene	13.035	91	118381	17.893	ug/l	99
79) 2-Chlorotoluene	13.123	91	74598	17.696	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	83961	18.051	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	11833m	17.046	ug/l	
82) 4-Chlorotoluene	13.223	91	73947	17.722	ug/l	96
83) tert-Butylbenzene	13.441	119	69365	16.821	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	85299	17.993	ug/l	99
85) sec-Butylbenzene	13.618	105	98465	17.670	ug/l	99
86) p-Isopropyltoluene	13.729	119	80941	17.410	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	48051	17.918	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	48996	17.666	ug/l	98
89) n-Butylbenzene	14.059	91	67350	16.909	ug/l	98
90) Hexachloroethane	14.335	117	16727	17.003	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	47225	18.137	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	6792	17.036	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	22757	16.226	ug/l	99
94) Hexachlorobutadiene	15.500	225	10118	16.273	ug/l	96
95) Naphthalene	15.641	128	76548	15.935	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	23745	16.466	ug/l	97

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

