

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071924\
 Data File : VN082982.D
 Acq On : 19 Jul 2024 12:23
 Operator : JC\MD
 Sample : VN0719WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/22/2024
 Supervised By :Mahesh Dadoda 07/22/2024

Quant Time: Jul 22 02:03:11 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	8.230	168	83302	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	144043	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	134121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	63701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	66788	57.195	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.380%			
35) Dibromofluoromethane	8.165	113	51749	55.988	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.980%			
50) Toluene-d8	10.565	98	191585	56.120	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.240%			
62) 4-Bromofluorobenzene	12.847	95	59886	48.835	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 97.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	22157	20.545	ug/l	98
3) Chloromethane	2.365	50	18048	17.646	ug/l	99
4) Vinyl Chloride	2.518	62	20949	19.503	ug/l	98
5) Bromomethane	2.959	94	15713	20.289	ug/l	94
6) Chloroethane	3.118	64	16493	22.437	ug/l	93
7) Trichlorofluoromethane	3.500	101	33858	21.915	ug/l	94
8) Diethyl Ether	3.965	74	10230	19.348	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.371	101	20485	23.428	ug/l	98
10) Methyl Iodide	4.589	142	16928	18.883	ug/l	98
11) Tert butyl alcohol	5.518	59	16666	84.855	ug/l	100
12) 1,1-Dichloroethene	4.342	96	17335	20.385	ug/l	88
13) Acrolein	4.183	56	9947	70.149	ug/l	99
14) Allyl chloride	5.030	41	24463	18.450	ug/l #	95
15) Acrylonitrile	5.724	53	47014	104.159	ug/l	98
16) Acetone	4.430	43	39523	96.134	ug/l	97
17) Carbon Disulfide	4.718	76	44902	17.671	ug/l	99
18) Methyl Acetate	5.030	43	26030	23.927	ug/l #	87
19) Methyl tert-butyl Ether	5.794	73	58545	19.958	ug/l	92
20) Methylene Chloride	5.277	84	22012	22.170	ug/l #	82
21) trans-1,2-Dichloroethene	5.783	96	18882	20.492	ug/l	83
22) Diisopropyl ether	6.665	45	60938	21.968	ug/l #	94
23) Vinyl Acetate	6.606	43	250165	113.564	ug/l	96
24) 1,1-Dichloroethane	6.571	63	38482	22.871	ug/l	96
25) 2-Butanone	7.488	43	60681	97.750	ug/l #	88
26) 2,2-Dichloropropane	7.494	77	33543	21.441	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	22555	20.909	ug/l	90
28) Bromochloromethane	7.818	49	17976	24.904	ug/l	85
29) Tetrahydrofuran	7.847	42	39528	101.143	ug/l #	87
30) Chloroform	7.965	83	41976	23.516	ug/l	96
31) Cyclohexane	8.259	56	28372	18.584	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	37706	22.751	ug/l	92
36) 1,1-Dichloropropene	8.371	75	26050	20.442	ug/l	98
37) Ethyl Acetate	7.565	43	26187	20.184	ug/l	96
38) Carbon Tetrachloride	8.365	117	31282	20.388	ug/l	96
39) Methylcyclohexane	9.600	83	24294	17.649	ug/l	97
40) Benzene	8.606	78	84146	21.466	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	13345	19.093	ug/l	92
42) 1,2-Dichloroethane	8.671	62	31697	22.461	ug/l	98
43) Isopropyl Acetate	8.688	43	49606	18.402	ug/l	96
44) Trichloroethene	9.353	130	20306	20.220	ug/l	90
45) 1,2-Dichloropropane	9.624	63	20880	22.816	ug/l	94
46) Dibromomethane	9.706	93	15845	22.224	ug/l	99
47) Bromodichloromethane	9.888	83	32645	22.160	ug/l	100
48) Methyl methacrylate	9.682	41	19308	18.979	ug/l #	85
49) 1,4-Dioxane	9.694	88	8009	356.787	ug/l	91
51) 4-Methyl-2-Pentanone	10.447	43	138107	107.374	ug/l	96
52) Toluene	10.629	92	52413	21.405	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	31642	20.850	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	32247	20.075	ug/l	90
55) 1,1,2-Trichloroethane	11.018	97	20770	23.067	ug/l	94
56) Ethyl methacrylate	10.876	69	28633	20.439	ug/l	90
57) 1,3-Dichloropropane	11.165	76	34685	21.762	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	76129	105.907	ug/l	96
59) 2-Hexanone	11.200	43	98372	102.869	ug/l	95
60) Dibromochloromethane	11.359	129	24932	21.740	ug/l	97
61) 1,2-Dibromoethane	11.470	107	20623	21.567	ug/l	98
64) Tetrachloroethene	11.106	164	20108	20.095	ug/l	97
65) Chlorobenzene	11.894	112	58069	20.205	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	22051	21.570	ug/l	100
67) Ethyl Benzene	11.965	91	94252	19.513	ug/l	94
68) m/p-Xylenes	12.070	106	73767	40.450	ug/l	97
69) o-Xylene	12.400	106	34429	19.703	ug/l	91
70) Styrene	12.412	104	60235	20.863	ug/l	97
71) Bromoform	12.576	173	16131	20.064	ug/l #	100
73) Isopropylbenzene	12.694	105	85792	18.534	ug/l	98
74) N-amyl acetate	12.494	43	35656	18.623	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.935	83	28217	20.354	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	21469m	19.549	ug/l	
77) Bromobenzene	12.982	156	23008	19.267	ug/l	94
78) n-propylbenzene	13.035	91	102515	19.262	ug/l	97
79) 2-Chlorotoluene	13.123	91	64772	19.101	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	72318	19.328	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	10022	17.947	ug/l	89
82) 4-Chlorotoluene	13.223	91	63071	18.791	ug/l	96
83) tert-Butylbenzene	13.441	119	58561	17.654	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	72770	19.082	ug/l	97
85) sec-Butylbenzene	13.617	105	83777	18.690	ug/l	100
86) p-Isopropyltoluene	13.729	119	68161	18.226	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	41255	19.124	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	42761	19.167	ug/l	98
89) n-Butylbenzene	14.059	91	56183	17.535	ug/l	98
90) Hexachloroethane	14.335	117	14982	18.933	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	40643	19.405	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	5367	16.735	ug/l	91
93) 1,2,4-Trichlorobenzene	15.394	180	19217	17.033	ug/l	98
94) Hexachlorobutadiene	15.500	225	8965	17.925	ug/l	98
95) Naphthalene	15.641	128	57166	14.794	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	18985	16.366	ug/l	99

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

