

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022724\
 Data File : VN081208.D
 Acq On : 27 Feb 2024 10:18
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 28 04:12:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/28/2024
 Supervised By : Semsettin Yesilyurt 02/28/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	300621	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	549220	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	501298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	236200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	193051	52.392	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.780%			
35) Dibromofluoromethane	8.165	113	167799	54.030	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.060%			
50) Toluene-d8	10.571	98	543078	49.234	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.460%			
62) 4-Bromofluorobenzene	12.853	95	218706	52.767	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.540%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	195003	50.159	ug/l	94
3) Chloromethane	2.365	50	194113	45.654	ug/l	97
4) Vinyl Chloride	2.518	62	213005	49.325	ug/l	95
5) Bromomethane	2.954	94	133283	43.454	ug/l	92
6) Chloroethane	3.124	64	147329	52.816	ug/l	93
7) Trichlorofluoromethane	3.501	101	325153	51.540	ug/l	96
8) Diethyl Ether	3.965	74	121290	52.586	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.383	101	185492	52.743	ug/l	94
10) Methyl Iodide	4.589	142	182134	46.396	ug/l	98
11) Tert butyl alcohol	5.518	59	160279	236.523	ug/l	100
12) 1,1-Dichloroethene	4.342	96	165679	48.734	ug/l	86
13) Acrolein	4.177	56	118004	324.899	ug/l	100
14) Allyl chloride	5.024	41	255051	50.563	ug/l #	89
15) Acrylonitrile	5.712	53	493139	278.643	ug/l	98
16) Acetone	4.424	43	343395	236.844	ug/l	95
17) Carbon Disulfide	4.712	76	424793	44.798	ug/l	97
18) Methyl Acetate	5.018	43	229972	65.021	ug/l	92
19) Methyl tert-butyl Ether	5.795	73	634170	54.465	ug/l	97
20) Methylene Chloride	5.277	84	205476	54.872	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	189637	49.997	ug/l	92
22) Diisopropyl ether	6.671	45	633453	55.359	ug/l #	92
23) Vinyl Acetate	6.606	43	2519113	271.345	ug/l #	94
24) 1,1-Dichloroethane	6.571	63	356925	53.947	ug/l	97
25) 2-Butanone	7.483	43	616700	263.286	ug/l	94
26) 2,2-Dichloropropane	7.494	77	319782	51.583	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	230043	52.201	ug/l	89
28) Bromochloromethane	7.812	49	166795	60.809	ug/l #	68
29) Tetrahydrofuran	7.836	42	423403	270.786	ug/l #	87
30) Chloroform	7.965	83	393023	55.878	ug/l	98
31) Cyclohexane	8.259	56	302986	47.621	ug/l #	82
32) 1,1,1-Trichloroethane	8.171	97	332165	51.854	ug/l	95
36) 1,1-Dichloropropene	8.371	75	268547	50.472	ug/l	96
37) Ethyl Acetate	7.559	43	258851	53.905	ug/l	98
38) Carbon Tetrachloride	8.365	117	291171	54.090	ug/l	98
39) Methylcyclohexane	9.600	83	316221	50.983	ug/l	90
40) Benzene	8.606	78	824187	53.516	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	148317	54.271	ug/l	95
42) 1,2-Dichloroethane	8.671	62	298231	55.505	ug/l	100
43) Isopropyl Acetate	8.689	43	453282	53.973	ug/l #	95
44) Trichloroethene	9.353	130	207617	50.615	ug/l	100
45) 1,2-Dichloropropane	9.624	63	214180	55.596	ug/l	97
46) Dibromomethane	9.712	93	153353	54.634	ug/l	91
47) Bromodichloromethane	9.888	83	308134	57.962	ug/l #	96
48) Methyl methacrylate	9.683	41	209948	53.725	ug/l	90
49) 1,4-Dioxane	9.700	88	84841	1187.276	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	1379088	285.458	ug/l	94
52) Toluene	10.630	92	526889	54.041	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	332624	56.304	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	349744	54.796	ug/l	90
55) 1,1,2-Trichloroethane	11.018	97	213101	56.828	ug/l	94
56) Ethyl methacrylate	10.877	69	321131	56.033	ug/l	87
57) 1,3-Dichloropropane	11.165	76	364695	56.246	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	786896	273.649	ug/l #	89
59) 2-Hexanone	11.194	43	1030097	268.945	ug/l	96
60) Dibromochloromethane	11.365	129	225328	56.562	ug/l	99
61) 1,2-Dibromoethane	11.471	107	219293	55.611	ug/l	98
64) Tetrachloroethene	11.106	164	195770	57.220	ug/l	89
65) Chlorobenzene	11.894	112	562095	51.808	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	215928	55.410	ug/l	97
67) Ethyl Benzene	11.965	91	1018804	52.477	ug/l	98
68) m/p-Xylenes	12.077	106	771332	103.652	ug/l	99
69) o-Xylene	12.400	106	377660	51.198	ug/l	97
70) Styrene	12.412	104	642984	55.008	ug/l	96
71) Bromoform	12.576	173	144640	58.503	ug/l #	96
73) Isopropylbenzene	12.700	105	1006796	48.718	ug/l	97
74) N-amyl acetate	12.494	43	415357	47.555	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	290389	49.972	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	271706m	50.629	ug/l	
77) Bromobenzene	12.982	156	222900	48.373	ug/l	79
78) n-propylbenzene	13.035	91	1204198	50.617	ug/l	96
79) 2-Chlorotoluene	13.129	91	712016	48.794	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	848477	50.638	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	102814	49.311	ug/l #	84
82) 4-Chlorotoluene	13.224	91	699561	49.030	ug/l	95
83) tert-Butylbenzene	13.441	119	709631	48.979	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	853790	51.135	ug/l	95
85) sec-Butylbenzene	13.618	105	1056335	52.445	ug/l	94
86) p-Isopropyltoluene	13.729	119	870861	52.054	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	419276	48.157	ug/l	97
88) 1,4-Dichlorobenzene	13.818	146	426033	49.799	ug/l	97
89) n-Butylbenzene	14.059	91	779035	53.449	ug/l	97
90) Hexachloroethane	14.335	117	145782	52.716	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	405472	48.287	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	58659	48.552	ug/l	78
93) 1,2,4-Trichlorobenzene	15.394	180	236108	50.399	ug/l	99
94) Hexachlorobutadiene	15.506	225	84764	48.515	ug/l	98
95) Naphthalene	15.641	128	837531	48.786	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	229704	49.426	ug/l	98

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

