

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021624\
 Data File : VN081064.D
 Acq On : 16 Feb 2024 19:42
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 16 23:50:54 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 02/17/2024
 Supervised By : Semsettin Yesilyurt 02/20/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	367121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	675731	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	614032	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	268130	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	213924	47.540	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.080%		
35) Dibromofluoromethane	8.165	113	189746	49.658	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.320%		
50) Toluene-d8	10.571	98	654949	48.260	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.520%		
62) 4-Bromofluorobenzene	12.853	95	253430	49.697	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	251607	52.995	ug/l	97
3) Chloromethane	2.365	50	251704	48.550	ug/l	99
4) Vinyl Chloride	2.512	62	269016	51.011	ug/l	92
5) Bromomethane	2.953	94	168851	45.079	ug/l	92
6) Chloroethane	3.118	64	170513	50.008	ug/l	95
7) Trichlorofluoromethane	3.495	101	386671	50.189	ug/l	95
8) Diethyl Ether	3.959	74	137767	48.910	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.377	101	210204	48.943	ug/l	91
10) Methyl Iodide	4.589	142	266139	55.514	ug/l	98
11) Tert butyl alcohol	5.518	59	202710	244.953	ug/l	98
12) 1,1-Dichloroethene	4.336	96	205145	49.413	ug/l	88
13) Acrolein	4.183	56	107600	242.590	ug/l	97
14) Allyl chloride	5.024	41	298541	48.464	ug/l #	91
15) Acrylonitrile	5.724	53	538757	249.277	ug/l	97
16) Acetone	4.424	43	396558	223.968	ug/l	96
17) Carbon Disulfide	4.712	76	540866	46.707	ug/l	99
18) Methyl Acetate	5.024	43	238928	55.316	ug/l	94
19) Methyl tert-butyl Ether	5.800	73	713252	50.161	ug/l	97
20) Methylene Chloride	5.271	84	234028	51.113	ug/l	88
21) trans-1,2-Dichloroethene	5.789	96	218460	47.163	ug/l	93
22) Diisopropyl ether	6.677	45	706243	50.541	ug/l #	95
23) Vinyl Acetate	6.606	43	2879872	254.014	ug/l #	92
24) 1,1-Dichloroethane	6.571	63	404523	50.066	ug/l	96
25) 2-Butanone	7.483	43	706793	247.091	ug/l	95
26) 2,2-Dichloropropane	7.488	77	351537	46.434	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	263549	48.972	ug/l	86
28) Bromochloromethane	7.818	49	173431	51.776	ug/l #	64
29) Tetrahydrofuran	7.841	42	473628	248.039	ug/l #	86
30) Chloroform	7.965	83	433940	50.520	ug/l	98
31) Cyclohexane	8.259	56	351699	45.265	ug/l #	77
32) 1,1,1-Trichloroethane	8.171	97	391833	50.089	ug/l	90
36) 1,1-Dichloropropene	8.371	75	318612	48.671	ug/l	95
37) Ethyl Acetate	7.565	43	292713	49.545	ug/l	96
38) Carbon Tetrachloride	8.365	117	338139	51.055	ug/l	95
39) Methylcyclohexane	9.606	83	372996	48.878	ug/l	87
40) Benzene	8.606	78	947712	50.016	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	166881	49.631	ug/l	95
42) 1,2-Dichloroethane	8.671	62	324723	49.121	ug/l	98
43) Isopropyl Acetate	8.688	43	514600	49.802	ug/l #	95
44) Trichloroethene	9.353	130	241775	47.907	ug/l	93
45) 1,2-Dichloropropane	9.624	63	233687	49.303	ug/l	99
46) Dibromomethane	9.712	93	169509	49.084	ug/l	92
47) Bromodichloromethane	9.888	83	334028	51.069	ug/l #	99
48) Methyl methacrylate	9.682	41	236993	49.292	ug/l	89
49) 1,4-Dioxane	9.694	88	95957	1088.071	ug/l #	84
51) 4-Methyl-2-Pentanone	10.447	43	1548780	260.563	ug/l	97
52) Toluene	10.629	92	609444	50.806	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	371920	51.169	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	390605	49.740	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	234817	50.896	ug/l	95
56) Ethyl methacrylate	10.876	69	372206	52.786	ug/l	87
57) 1,3-Dichloropropane	11.165	76	406695	50.981	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	875127	247.355	ug/l #	86
59) 2-Hexanone	11.200	43	1141469	242.227	ug/l	96
60) Dibromochloromethane	11.365	129	254330	51.890	ug/l	99
61) 1,2-Dibromoethane	11.471	107	245352	50.571	ug/l	97
64) Tetrachloroethene	11.106	164	203006	48.441	ug/l	96
65) Chlorobenzene	11.894	112	642040	48.312	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.965	131	236508	49.548	ug/l	97
67) Ethyl Benzene	11.965	91	1168936	49.155	ug/l	97
68) m/p-Xylenes	12.071	106	901925	98.949	ug/l	94
69) o-Xylene	12.400	106	442807	49.008	ug/l	94
70) Styrene	12.412	104	727614	50.820	ug/l	96
71) Bromoform	12.582	173	158939	52.484	ug/l #	96
73) Isopropylbenzene	12.700	105	1146484	48.871	ug/l	97
74) N-amyl acetate	12.500	43	484906	48.907	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	321507	48.738	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	293750m	48.218	ug/l	
77) Bromobenzene	12.982	156	249432	47.685	ug/l	77
78) n-propylbenzene	13.041	91	1322344	48.964	ug/l	94
79) 2-Chlorotoluene	13.129	91	791553	47.785	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	946254	49.748	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.741	75	110433	46.658	ug/l	95
82) 4-Chlorotoluene	13.223	91	783204	48.355	ug/l	94
83) tert-Butylbenzene	13.441	119	798148	48.529	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	944994	49.857	ug/l	97
85) sec-Butylbenzene	13.617	105	1138908	49.811	ug/l	94
86) p-Isopropyltoluene	13.729	119	938638	49.424	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	462883	46.834	ug/l	96
88) 1,4-Dichlorobenzene	13.817	146	459253	47.289	ug/l	97
89) n-Butylbenzene	14.059	91	803040	48.535	ug/l	97
90) Hexachloroethane	14.335	117	155084	49.402	ug/l	97
91) 1,2-Dichlorobenzene	14.112	146	447179	46.912	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	65065	47.441	ug/l	77
93) 1,2,4-Trichlorobenzene	15.400	180	254996	47.949	ug/l	100
94) Hexachlorobutadiene	15.506	225	89012	44.880	ug/l	96
95) Naphthalene	15.647	128	929275	47.684	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	250915	47.561	ug/l	98

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

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