

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022624\
 Data File : VN081184.D
 Acq On : 26 Feb 2024 10:31
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/27/2024
 Supervised By : Mahesh Dadoda 02/27/2024

Quant Time: Feb 27 00:02:58 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

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	312082	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	581205	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	529367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	242933	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	214193	55.995	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.980%			
35) Dibromofluoromethane	8.165	113	183213	55.747	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.500%			
50) Toluene-d8	10.565	98	581427	49.810	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.620%			
62) 4-Bromofluorobenzene	12.847	95	237288	54.100	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	198384	49.154	ug/l	93
3) Chloromethane	2.365	50	203459	46.106	ug/l	97
4) Vinyl Chloride	2.518	62	210119	46.870	ug/l	96
5) Bromomethane	2.959	94	146224	45.923	ug/l	92
6) Chloroethane	3.124	64	146435	50.529	ug/l	98
7) Trichlorofluoromethane	3.506	101	319822	48.833	ug/l	100
8) Diethyl Ether	3.953	74	141281	59.003	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.377	101	185037	50.681	ug/l	90
10) Methyl Iodide	4.589	142	212919	52.246	ug/l	96
11) Tert butyl alcohol	5.506	59	175053	248.838	ug/l	99
12) 1,1-Dichloroethene	4.342	96	172532	48.886	ug/l	94
13) Acrolein	4.177	56	129486	343.419	ug/l	95
14) Allyl chloride	5.018	41	277366	52.967	ug/l #	92
15) Acrylonitrile	5.712	53	522349	284.309	ug/l	98
16) Acetone	4.418	43	336058	223.272	ug/l	100
17) Carbon Disulfide	4.712	76	439461	44.643	ug/l	97
18) Methyl Acetate	5.018	43	237465	64.674	ug/l	91
19) Methyl tert-butyl Ether	5.794	73	699292	57.852	ug/l	94
20) Methylene Chloride	5.277	84	226515	58.328	ug/l	89
21) trans-1,2-Dichloroethene	5.788	96	200719	50.975	ug/l	95
22) Diisopropyl ether	6.665	45	695711	58.568	ug/l #	94
23) Vinyl Acetate	6.600	43	2814451	292.024	ug/l #	94
24) 1,1-Dichloroethane	6.565	63	388575	56.574	ug/l	96
25) 2-Butanone	7.482	43	632898	260.279	ug/l	94
26) 2,2-Dichloropropane	7.488	77	337348	52.418	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	247083	54.009	ug/l	87
28) Bromochloromethane	7.812	49	177752	62.424	ug/l #	67
29) Tetrahydrofuran	7.835	42	439187	270.565	ug/l #	87
30) Chloroform	7.965	83	415576	56.915	ug/l	97
31) Cyclohexane	8.259	56	295855	44.793	ug/l #	81
32) 1,1,1-Trichloroethane	8.171	97	349861	52.611	ug/l	92
36) 1,1-Dichloropropene	8.371	75	274003	48.664	ug/l	96
37) Ethyl Acetate	7.559	43	275394	54.194	ug/l	99
38) Carbon Tetrachloride	8.365	117	291672	51.201	ug/l	97
39) Methylcyclohexane	9.600	83	321728	49.017	ug/l	92
40) Benzene	8.606	78	882524	54.151	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	162028	56.025	ug/l	94
42) 1,2-Dichloroethane	8.671	62	323027	56.811	ug/l	99
43) Isopropyl Acetate	8.688	43	532412	59.906	ug/l	98
44) Trichloroethene	9.353	130	220356	50.764	ug/l	96
45) 1,2-Dichloropropane	9.624	63	233765	57.341	ug/l	99
46) Dibromomethane	9.712	93	166849	56.171	ug/l	91
47) Bromodichloromethane	9.888	83	331305	58.891	ug/l #	97
48) Methyl methacrylate	9.682	41	229915	55.597	ug/l	90
49) 1,4-Dioxane	9.694	88	83613	1102.841	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	1444645	282.571	ug/l	95
52) Toluene	10.629	92	553968	53.692	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	370188	59.214	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	392472	58.106	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	229286	57.779	ug/l	93
56) Ethyl methacrylate	10.876	69	361013	59.525	ug/l	86
57) 1,3-Dichloropropane	11.165	76	400171	58.321	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	832248	273.493	ug/l #	87
59) 2-Hexanone	11.194	43	1048659	258.724	ug/l	94
60) Dibromochloromethane	11.359	129	254295	60.321	ug/l	96
61) 1,2-Dibromoethane	11.470	107	239200	57.321	ug/l	99
64) Tetrachloroethene	11.106	164	198003	54.804	ug/l	93
65) Chlorobenzene	11.894	112	592382	51.704	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	226663	55.081	ug/l	97
67) Ethyl Benzene	11.965	91	1049232	51.178	ug/l	99
68) m/p-Xylenes	12.070	106	795343	101.211	ug/l	97
69) o-Xylene	12.400	106	399704	51.313	ug/l	94
70) Styrene	12.412	104	669017	54.200	ug/l	96
71) Bromoform	12.576	173	162271	62.154	ug/l #	98
73) Isopropylbenzene	12.694	105	1006365	47.347	ug/l	97
74) N-amyl acetate	12.494	43	452716	50.396	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.935	83	304821	51.002	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	277045m	50.193	ug/l	
77) Bromobenzene	12.982	156	235197	49.627	ug/l	77
78) n-propylbenzene	13.035	91	1208073	49.373	ug/l	96
79) 2-Chlorotoluene	13.129	91	719156	47.917	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	863911	50.130	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.741	75	116104	54.142	ug/l	89
82) 4-Chlorotoluene	13.223	91	718534	48.964	ug/l	94
83) tert-Butylbenzene	13.441	119	723912	48.580	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	879978	51.242	ug/l	96
85) sec-Butylbenzene	13.617	105	1038963	50.153	ug/l	94
86) p-Isopropyltoluene	13.729	119	882308	51.276	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	443843	49.566	ug/l	96
88) 1,4-Dichlorobenzene	13.811	146	441471	50.173	ug/l	97
89) n-Butylbenzene	14.059	91	785801	52.419	ug/l	97
90) Hexachloroethane	14.335	117	150653	52.968	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	436469	50.537	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	62282	50.122	ug/l	74
93) 1,2,4-Trichlorobenzene	15.394	180	251229	52.141	ug/l	98
94) Hexachlorobutadiene	15.500	225	90827	50.545	ug/l	96
95) Naphthalene	15.641	128	917229	51.948	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	251663	52.650	ug/l	98

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

