

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085006.D
 Acq On : 22 Nov 2024 11:46
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2024
 Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 01:58:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	163353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	271467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	232158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114469	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	115244	49.528	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.060%
35) Dibromofluoromethane	8.159	113	92297	50.417	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.840%
50) Toluene-d8	10.565	98	338938	51.662	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.320%
62) 4-Bromofluorobenzene	12.847	95	126840	51.698	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.400%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.118	85	91455	49.512	ug/l	100
3) Chloromethane	2.360	50	96463	45.027	ug/l	100
4) Vinyl Chloride	2.512	62	93960	48.804	ug/l	100
5) Bromomethane	2.901	94	50828	47.102	ug/l	100
6) Chloroethane	3.065	64	61844	47.657	ug/l	100
7) Trichlorofluoromethane	3.459	101	157642	48.134	ug/l	100
8) Diethyl Ether	3.948	74	57011	51.145	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.353	101	90080	48.495	ug/l	100
10) Methyl Iodide	4.571	142	122086	49.653	ug/l	100
11) Tert butyl alcohol	5.542	59	73708	237.049	ug/l	100
12) 1,1-Dichloroethene	4.318	96	85520	49.324	ug/l	100
13) Acrolein	4.165	56	57099	275.201	ug/l	100
14) Allyl chloride	5.006	41	144773	49.531	ug/l	100
15) Acrylonitrile	5.712	53	214719	243.910	ug/l	100
16) Acetone	4.424	43	165611	244.384	ug/l	100
17) Carbon Disulfide	4.695	76	240507	46.996	ug/l	100
18) Methyl Acetate	5.018	43	107105	49.436	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	288810	50.982	ug/l	100
20) Methylene Chloride	5.265	84	96084	46.464	ug/l	100
21) trans-1,2-Dichloroethene	5.771	96	91214	49.992	ug/l	100
22) Diisopropyl ether	6.665	45	290883	49.447	ug/l	100
23) Vinyl Acetate	6.595	43	1058594	260.842	ug/l	100
24) 1,1-Dichloroethane	6.553	63	171385	48.684	ug/l	100
25) 2-Butanone	7.483	43	270539	244.184	ug/l	100
26) 2,2-Dichloropropane	7.483	77	162280	49.367	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	107332	48.796	ug/l	100
28) Bromochloromethane	7.806	49	64580	48.597	ug/l	100
29) Tetrahydrofuran	7.836	42	175063	254.088	ug/l	100
30) Chloroform	7.959	83	179452	47.921	ug/l	100
31) Cyclohexane	8.253	56	144139	46.504	ug/l	100
32) 1,1,1-Trichloroethane	8.159	97	165474	48.900	ug/l	100
36) 1,1-Dichloropropene	8.365	75	123540	49.822	ug/l	100
37) Ethyl Acetate	7.553	43	109296	48.484	ug/l	100
38) Carbon Tetrachloride	8.353	117	144897	50.624	ug/l	100
39) Methylcyclohexane	9.594	83	137583	53.395	ug/l	100
40) Benzene	8.600	78	386616	49.297	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	62534	50.102	ug/l	100
42) 1,2-Dichloroethane	8.665	62	130440	48.616	ug/l	100
43) Isopropyl Acetate	8.683	43	204483	43.670	ug/l	100
44) Trichloroethene	9.347	130	88746	48.692	ug/l	100
45) 1,2-Dichloropropane	9.618	63	94677	49.013	ug/l	100
46) Dibromomethane	9.706	93	66370	49.447	ug/l	100
47) Bromodichloromethane	9.883	83	141808	49.849	ug/l	100
48) Methyl methacrylate	9.677	41	89202	51.193	ug/l	100
49) 1,4-Dioxane	9.694	88	31557	1044.331	ug/l	100
51) 4-Methyl-2-Pentanone	10.441	43	551484	257.854	ug/l	100
52) Toluene	10.624	92	240730	51.850	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	148995	52.241	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	156342	51.671	ug/l	100
55) 1,1,2-Trichloroethane	11.012	97	87334	50.501	ug/l	100
56) Ethyl methacrylate	10.871	69	140546	55.617	ug/l	100
57) 1,3-Dichloropropane	11.159	76	151573	49.800	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	368190	297.030	ug/l	100
59) 2-Hexanone	11.194	43	424152	265.165	ug/l	100
60) Dibromochloromethane	11.359	129	104699	49.538	ug/l	100
61) 1,2-Dibromoethane	11.465	107	89471	49.991	ug/l	100
64) Tetrachloroethene	11.100	164	76257	48.747	ug/l	100
65) Chlorobenzene	11.888	112	252937	48.041	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	92289	49.785	ug/l	100
67) Ethyl Benzene	11.959	91	451491	52.856	ug/l	100
68) m/p-Xylenes	12.071	106	342033	105.174	ug/l	100
69) o-Xylene	12.394	106	164137	53.059	ug/l	100
70) Styrene	12.406	104	277349	53.912	ug/l	100
71) Bromoform	12.576	173	71858	52.221	ug/l #	100
73) Isopropylbenzene	12.694	105	415716	51.479	ug/l	100
74) N-ethyl acetate	12.494	43	177685	53.396	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	126215	45.771	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	103311m	48.246	ug/l	
77) Bromobenzene	12.976	156	105184	48.402	ug/l	100
78) n-propylbenzene	13.035	91	484892	52.059	ug/l	100
79) 2-Chlorotoluene	13.124	91	305747	49.174	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	360125	53.145	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	46724	50.990	ug/l	100
82) 4-Chlorotoluene	13.218	91	317569	49.063	ug/l	100
83) tert-Butylbenzene	13.435	119	301180	51.657	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	371046	53.195	ug/l	100
85) sec-Butylbenzene	13.612	105	419761	53.296	ug/l	100
86) p-Isopropyltoluene	13.723	119	353974	54.443	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	196552	45.855	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	201469	46.058	ug/l	100
89) n-Butylbenzene	14.053	91	305730	50.564	ug/l	100
90) Hexachloroethane	14.329	117	69444	49.001	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	193123	47.019	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	25059	46.995	ug/l	100
93) 1,2,4-Trichlorobenzene	15.388	180	103265	46.278	ug/l	100
94) Hexachlorobutadiene	15.500	225	46186	44.848	ug/l	100
95) Naphthalene	15.641	128	324523	51.063	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	102772	48.269	ug/l	100

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

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