

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070924\
 Data File : VN082846.D
 Acq On : 09 Jul 2024 18:00
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/10/2024
 Supervised By : Mahesh Dadoda 07/10/2024

Quant Time: Jul 10 01:24:44 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	8.224	168	116418	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	206217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	191067	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	94937	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	92864	56.904	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.800%			
35) Dibromofluoromethane	8.171	113	70372	53.182	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.360%			
50) Toluene-d8	10.571	98	259303	53.056	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.120%			
62) 4-Bromofluorobenzene	12.853	95	92145	52.487	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 104.980%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	80990	53.735	ug/l	100
3) Chloromethane	2.359	50	82414	57.658	ug/l	97
4) Vinyl Chloride	2.506	62	88711	59.094	ug/l	98
5) Bromomethane	2.936	94	53291	49.236	ug/l	95
6) Chloroethane	3.106	64	59417	57.839	ug/l	99
7) Trichlorofluoromethane	3.483	101	108844	50.411	ug/l	94
8) Diethyl Ether	3.959	74	39917	54.019	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.359	101	67811	55.491	ug/l	98
10) Methyl Iodide	4.589	142	70775	56.491	ug/l	98
11) Tert butyl alcohol	5.536	59	79833	290.848	ug/l	99
12) 1,1-Dichloroethene	4.336	96	62171	52.313	ug/l	92
13) Acrolein	4.177	56	59510	300.298	ug/l	99
14) Allyl chloride	5.024	41	97776	52.766	ug/l	95
15) Acrylonitrile	5.718	53	197095	312.449	ug/l	99
16) Acetone	4.430	43	168742	293.687	ug/l	95
17) Carbon Disulfide	4.706	76	177868	50.086	ug/l	99
18) Methyl Acetate	5.030	43	91496	60.181	ug/l	92
19) Methyl tert-butyl Ether	5.800	73	221870	54.121	ug/l	98
20) Methylene Chloride	5.277	84	73988	53.321	ug/l	89
21) trans-1,2-Dichloroethene	5.783	96	67853	52.693	ug/l	89
22) Diisopropyl ether	6.677	45	232348	59.935	ug/l	97
23) Vinyl Acetate	6.606	43	950728	308.820	ug/l	96
24) 1,1-Dichloroethane	6.571	63	135701	57.708	ug/l	100
25) 2-Butanone	7.488	43	279340	321.982	ug/l	93
26) 2,2-Dichloropropane	7.494	77	110847	50.699	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	81512	54.068	ug/l	91
28) Bromochloromethane	7.812	49	51903	51.451	ug/l	86
29) Tetrahydrofuran	7.847	42	183256	335.525	ug/l	89
30) Chloroform	7.971	83	140737	56.416	ug/l	98
31) Cyclohexane	8.259	56	108343	50.780	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	127499	55.048	ug/l	97
36) 1,1-Dichloropropene	8.371	75	94259	51.666	ug/l	98
37) Ethyl Acetate	7.565	43	111275	59.908	ug/l	96
38) Carbon Tetrachloride	8.365	117	111953	50.966	ug/l	100
39) Methylcyclohexane	9.606	83	97043	49.243	ug/l	93
40) Benzene	8.606	78	302103	53.832	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	57170	57.132	ug/l	93
42) 1,2-Dichloroethane	8.677	62	108647	53.778	ug/l	97
43) Isopropyl Acetate	8.694	43	187734	53.830	ug/l #	95
44) Trichloroethene	9.359	130	71014	49.392	ug/l	100
45) 1,2-Dichloropropane	9.624	63	74755	57.057	ug/l	92
46) Dibromomethane	9.712	93	55824	54.692	ug/l	99
47) Bromodichloromethane	9.888	83	114299	54.196	ug/l	100
48) Methyl methacrylate	9.682	41	84676	58.140	ug/l #	89
49) 1,4-Dioxane	9.700	88	38312	1215.532	ug/l	95
51) 4-Methyl-2-Pentanone	10.447	43	580821	315.423	ug/l	94
52) Toluene	10.635	92	190251	54.270	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	115018	52.939	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	120896	52.570	ug/l	89
55) 1,1,2-Trichloroethane	11.018	97	71149	55.193	ug/l	98
56) Ethyl methacrylate	10.876	69	121257	60.461	ug/l	86
57) 1,3-Dichloropropane	11.165	76	124708	54.653	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	319327	310.297	ug/l	97
59) 2-Hexanone	11.200	43	446632	326.235	ug/l	94
60) Dibromochloromethane	11.359	129	89776	54.679	ug/l	100
61) 1,2-Dibromoethane	11.470	107	75173	54.913	ug/l	99
64) Tetrachloroethene	11.106	164	70970	49.786	ug/l	97
65) Chlorobenzene	11.894	112	206961	50.549	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	76242	52.352	ug/l	99
67) Ethyl Benzene	11.965	91	353853	51.423	ug/l	99
68) m/p-Xylenes	12.076	106	274221	105.554	ug/l	98
69) o-Xylene	12.400	106	131613	52.872	ug/l	96
70) Styrene	12.412	104	229954	55.909	ug/l	99
71) Bromoform	12.576	173	62553	54.617	ug/l #	100
73) Isopropylbenzene	12.700	105	329089	47.704	ug/l	98
74) N-amyl acetate	12.494	43	158247	55.457	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	109131	52.821	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	103770m	63.399	ug/l	
77) Bromobenzene	12.982	156	84666	47.573	ug/l	98
78) n-propylbenzene	13.035	91	393423	49.601	ug/l	98
79) 2-Chlorotoluene	13.129	91	242919	48.067	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	280356	50.277	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	42050	50.526	ug/l	98
82) 4-Chlorotoluene	13.223	91	239834	47.945	ug/l	98
83) tert-Butylbenzene	13.441	119	235873	47.713	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	288766	50.808	ug/l	99
85) sec-Butylbenzene	13.617	105	327533	49.028	ug/l	100
86) p-Isopropyltoluene	13.729	119	276568	49.620	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	157070	48.856	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	153316	46.112	ug/l	99
89) n-Butylbenzene	14.059	91	227017	47.542	ug/l	99
90) Hexachloroethane	14.335	117	56131	47.594	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	149843	48.003	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	24437	51.126	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	75499	44.902	ug/l	99
94) Hexachlorobutadiene	15.506	225	31219	41.883	ug/l	99
95) Naphthalene	15.641	128	273100	47.422	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	78453	45.379	ug/l	98

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

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