

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071224\
 Data File : VN082889.D
 Acq On : 12 Jul 2024 10:43
 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 07/15/2024
 Supervised By : Mahesh Dadoda 07/15/2024

Quant Time: Jul 15 01:06:40 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	130975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	217632	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	185104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	97979	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	97681	53.203	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.400%	
35) Dibromofluoromethane	8.165	113	75781	54.265	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.540%	
50) Toluene-d8	10.565	98	269173	52.187	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.380%	
62) 4-Bromofluorobenzene	12.847	95	90837	49.028	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 98.060%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	88921	52.440	ug/l	93
3) Chloromethane	2.359	50	77064	47.923	ug/l	98
4) Vinyl Chloride	2.512	62	82270	48.712	ug/l	96
5) Bromomethane	2.947	94	49980	41.045	ug/l	94
6) Chloroethane	3.118	64	57877	50.078	ug/l	95
7) Trichlorofluoromethane	3.495	101	118090	48.615	ug/l	98
8) Diethyl Ether	3.959	74	43259	52.035	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.371	101	74258	54.013	ug/l	99
10) Methyl Iodide	4.589	142	64311	45.626	ug/l	95
11) Tert butyl alcohol	5.530	59	64498	208.863	ug/l	100
12) 1,1-Dichloroethene	4.342	96	68128	50.954	ug/l	94
13) Acrolein	4.177	56	58714	263.352	ug/l	99
14) Allyl chloride	5.024	41	104620	50.185	ug/l #	96
15) Acrylonitrile	5.718	53	179710	253.226	ug/l	100
16) Acetone	4.424	43	149534	231.330	ug/l	98
17) Carbon Disulfide	4.712	76	191121	47.836	ug/l	98
18) Methyl Acetate	5.024	43	87846	51.358	ug/l	93
19) Methyl tert-butyl Ether	5.794	73	240365	52.116	ug/l	99
20) Methylene Chloride	5.271	84	78616	50.360	ug/l #	83
21) trans-1,2-Dichloroethene	5.783	96	73454	50.702	ug/l	91
22) Diisopropyl ether	6.671	45	250431	57.420	ug/l	94
23) Vinyl Acetate	6.606	43	980070	282.968	ug/l #	95
24) 1,1-Dichloroethane	6.571	63	146633	55.427	ug/l	99
25) 2-Butanone	7.482	43	239324	245.198	ug/l	91
26) 2,2-Dichloropropane	7.488	77	128972	52.433	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	91022	53.666	ug/l	91
28) Bromochloromethane	7.812	49	58976	51.965	ug/l	85
29) Tetrahydrofuran	7.835	42	158796	258.427	ug/l #	87
30) Chloroform	7.965	83	153522	54.701	ug/l	98
31) Cyclohexane	8.259	56	116552	48.556	ug/l	94
32) 1,1,1-Trichloroethane	8.171	97	138408	53.116	ug/l	97
36) 1,1-Dichloropropene	8.371	75	107083	55.616	ug/l	99
37) Ethyl Acetate	7.559	43	102148	52.110	ug/l	96
38) Carbon Tetrachloride	8.365	117	121617	52.461	ug/l	94
39) Methylcyclohexane	9.600	83	109427	52.615	ug/l	95
40) Benzene	8.606	78	326369	55.106	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	56509	53.510	ug/l	95
42) 1,2-Dichloroethane	8.671	62	118322	55.495	ug/l	98
43) Isopropyl Acetate	8.688	43	181026	48.912	ug/l #	93
44) Trichloroethene	9.353	130	79308	52.268	ug/l	98
45) 1,2-Dichloropropane	9.624	63	80786	58.426	ug/l	97
46) Dibromomethane	9.706	93	59204	54.961	ug/l	99
47) Bromodichloromethane	9.888	83	124433	55.907	ug/l	99
48) Methyl methacrylate	9.682	41	85348	55.528	ug/l	93
49) 1,4-Dioxane	9.694	88	31693	946.733	ug/l #	93
51) 4-Methyl-2-Pentanone	10.447	43	519683	267.419	ug/l	94
52) Toluene	10.629	92	194537	52.582	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	115700	50.460	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	133650	55.068	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	71344	52.442	ug/l	99
56) Ethyl methacrylate	10.876	69	113510	53.629	ug/l	85
57) 1,3-Dichloropropane	11.165	76	123663	51.352	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	315155	290.180	ug/l	97
59) 2-Hexanone	11.194	43	352531	243.994	ug/l	92
60) Dibromochloromethane	11.359	129	86123	49.703	ug/l	99
61) 1,2-Dibromoethane	11.470	107	72447	50.146	ug/l	98
64) Tetrachloroethene	11.106	164	68912	49.900	ug/l	97
65) Chlorobenzene	11.894	112	208920	52.671	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	73298	51.952	ug/l	99
67) Ethyl Benzene	11.965	91	362523	54.380	ug/l	96
68) m/p-Xylenes	12.070	106	288003	114.430	ug/l	95
69) o-Xylene	12.400	106	137064	56.835	ug/l	93
70) Styrene	12.412	104	237019	59.483	ug/l	98
71) Bromoform	12.582	173	59892	53.978	ug/l #	99
73) Isopropylbenzene	12.694	105	345161	48.480	ug/l	99
74) N-amyl acetate	12.494	43	142609	48.425	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	100903	47.322	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	90905m	53.815	ug/l	
77) Bromobenzene	12.982	156	86882	47.303	ug/l	92
78) n-propylbenzene	13.035	91	409437	50.017	ug/l	98
79) 2-Chlorotoluene	13.123	91	248589	47.662	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	290672	50.508	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	39497	45.985	ug/l	96
82) 4-Chlorotoluene	13.223	91	255987	49.586	ug/l	97
83) tert-Butylbenzene	13.441	119	250439	49.086	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	306455	52.246	ug/l	97
85) sec-Butylbenzene	13.617	105	358478	51.994	ug/l	100
86) p-Isopropyltoluene	13.729	119	303321	52.730	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	169809	51.178	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	171186	49.888	ug/l	99
89) n-Butylbenzene	14.059	91	257048	52.159	ug/l	99
90) Hexachloroethane	14.335	117	59655	49.012	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	162350	50.395	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	22387	45.383	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	83085	47.879	ug/l	97
94) Hexachlorobutadiene	15.506	225	35870	46.628	ug/l	98
95) Naphthalene	15.641	128	280529	47.199	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	84959	47.617	ug/l	100

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

