

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031524\
 Data File : VN081426.D
 Acq On : 15 Mar 2024 13:57
 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 03/18/2024
 Supervised By : Mahesh Dadoda 03/18/2024

Quant Time: Mar 15 16:07:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 06 03:12:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	287506	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	531004	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	483470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	222865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	249399	59.995	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.980%			
35) Dibromofluoromethane	8.165	113	192713	59.236	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 118.480%			
50) Toluene-d8	10.571	98	669203	55.026	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.060%			
62) 4-Bromofluorobenzene	12.853	95	237315	55.211	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 110.420%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	175652	46.088	ug/l	92
3) Chloromethane	2.365	50	188948	45.897	ug/l	98
4) Vinyl Chloride	2.518	62	198981	46.333	ug/l	91
5) Bromomethane	2.942	94	128760	44.891	ug/l	91
6) Chloroethane	3.118	64	138270	46.876	ug/l	100
7) Trichlorofluoromethane	3.495	101	295137	46.454	ug/l	99
8) Diethyl Ether	3.953	74	112622	50.315	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.371	101	153691	42.480	ug/l	93
10) Methyl Iodide	4.589	142	186723	56.398	ug/l	91
11) Tert butyl alcohol	5.518	59	210540	289.646	ug/l	100
12) 1,1-Dichloroethene	4.336	96	156426	46.687	ug/l	93
13) Acrolein	4.177	56	211119	245.281	ug/l	97
14) Allyl chloride	5.030	41	243435	48.957	ug/l	89
15) Acrylonitrile	5.718	53	499152	262.858	ug/l	98
16) Acetone	4.424	43	366774	249.023	ug/l	96
17) Carbon Disulfide	4.712	76	400378	41.868	ug/l	98
18) Methyl Acetate	5.018	43	261458	62.003	ug/l	94
19) Methyl tert-butyl Ether	5.800	73	604872	53.229	ug/l	96
20) Methylene Chloride	5.277	84	196182	53.976	ug/l	93
21) trans-1,2-Dichloroethene	5.789	96	176198	46.644	ug/l	99
22) Diisopropyl ether	6.677	45	636079	57.594	ug/l	96
23) Vinyl Acetate	6.606	43	2412550	268.894	ug/l	96
24) 1,1-Dichloroethane	6.571	63	356167	52.683	ug/l	98
25) 2-Butanone	7.483	43	635608	257.689	ug/l	96
26) 2,2-Dichloropropane	7.494	77	262774	43.978	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	216975	50.663	ug/l	88
28) Bromochloromethane	7.818	49	165431	57.188	ug/l #	72
29) Tetrahydrofuran	7.841	42	431616	256.616	ug/l	90
30) Chloroform	7.971	83	384961	54.872	ug/l	98
31) Cyclohexane	8.259	56	255211m	40.550	ug/l	
32) 1,1,1-Trichloroethane	8.165	97	317162	51.144	ug/l	97
36) 1,1-Dichloropropene	8.377	75	245529	46.780	ug/l	98
37) Ethyl Acetate	7.559	43	261731	51.013	ug/l	98
38) Carbon Tetrachloride	8.365	117	256774	48.610	ug/l	94
39) Methylcyclohexane	9.606	83	239418	39.637	ug/l	92
40) Benzene	8.606	78	785455	50.137	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	149429	51.574	ug/l	96
42) 1,2-Dichloroethane	8.677	62	303874	55.013	ug/l	99
43) Isopropyl Acetate	8.688	43	450623	50.180	ug/l	96
44) Trichloroethene	9.353	130	191080	48.360	ug/l	98
45) 1,2-Dichloropropane	9.624	63	209037	53.116	ug/l	98
46) Dibromomethane	9.712	93	150607	54.293	ug/l	92
47) Bromodichloromethane	9.888	83	300422	55.787	ug/l #	98
48) Methyl methacrylate	9.683	41	217307	54.745	ug/l	93
49) 1,4-Dioxane	9.694	88	79341	906.859	ug/l #	89
51) 4-Methyl-2-Pentanone	10.447	43	1411421	270.684	ug/l	98
52) Toluene	10.630	92	468256	49.479	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	305916	52.503	ug/l	94
54) cis-1,3-Dichloropropene	10.312	75	327084	52.000	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	204330	54.447	ug/l	96
56) Ethyl methacrylate	10.877	69	297930	55.287	ug/l	94
57) 1,3-Dichloropropane	11.165	76	355968	54.348	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	801187	276.393	ug/l	92
59) 2-Hexanone	11.200	43	1044045	267.833	ug/l	98
60) Dibromochloromethane	11.365	129	216786	56.090	ug/l	98
61) 1,2-Dibromoethane	11.471	107	205575	52.794	ug/l	98
64) Tetrachloroethene	11.106	164	180386	47.651	ug/l	93
65) Chlorobenzene	11.894	112	501038	49.180	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.965	131	192884	51.739	ug/l	97
67) Ethyl Benzene	11.965	91	881380	48.027	ug/l	99
68) m/p-Xylenes	12.071	106	670675	97.106	ug/l	98
69) o-Xylene	12.400	106	326997	48.852	ug/l	100
70) Styrene	12.412	104	564616	53.228	ug/l	98
71) Bromoform	12.582	173	145153	56.083	ug/l #	100
73) Isopropylbenzene	12.700	105	832248	46.246	ug/l	99
74) N-amyl acetate	12.494	43	389136	51.534	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	270321	48.673	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	267326m	50.784	ug/l	
77) Bromobenzene	12.982	156	195735	45.873	ug/l	83
78) n-propylbenzene	13.035	91	998193	46.895	ug/l	97
79) 2-Chlorotoluene	13.129	91	611454	46.996	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	722252	48.550	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	93344	49.488	ug/l	85
82) 4-Chlorotoluene	13.223	91	617931	48.084	ug/l	98
83) tert-Butylbenzene	13.441	119	581110	45.564	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	745641	49.472	ug/l	96
85) sec-Butylbenzene	13.618	105	853311	46.248	ug/l	95
86) p-Isopropyltoluene	13.729	119	701003	47.376	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	368865	45.783	ug/l	96
88) 1,4-Dichlorobenzene	13.812	146	365215	45.352	ug/l	98
89) n-Butylbenzene	14.059	91	620491	45.728	ug/l	96
90) Hexachloroethane	14.335	117	125879	48.592	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	363772	47.059	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	59210	49.820	ug/l	88
93) 1,2,4-Trichlorobenzene	15.394	180	190511	46.107	ug/l	98
94) Hexachlorobutadiene	15.506	225	70740	41.433	ug/l	94
95) Naphthalene	15.641	128	730768	49.703	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	198636	47.404	ug/l	97

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

