

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030524\
 Data File : VN081307.D
 Acq On : 05 Mar 2024 13:12
 Operator : JC\MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/06/2024
 Supervised By : Mahesh Dadoda 03/06/2024

Quant Time: Mar 06 02:55:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 06 01:47:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	327237	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	602889	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	537074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	227932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	46772	9.885	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	19.780%#		
35) Dibromofluoromethane	8.171	113	34849	9.435	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	18.860%#		
50) Toluene-d8	10.571	98	126484	9.160	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	18.320%#		
62) 4-Bromofluorobenzene	12.853	95	44333	9.084	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	18.160%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	48904	11.274	ug/l	96
3) Chloromethane	2.359	50	46999	10.030	ug/l	97
4) Vinyl Chloride	2.512	62	49376	10.101	ug/l	93
5) Bromomethane	2.965	94	33315	10.205	ug/l	85
6) Chloroethane	3.124	64	30729	9.153	ug/l	93
7) Trichlorofluoromethane	3.495	101	73363	10.145	ug/l	87
8) Diethyl Ether	3.965	74	25765	10.113	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.371	101	41542	10.088	ug/l	95
10) Methyl Iodide	4.589	142	33969	9.014	ug/l #	93
11) Tert butyl alcohol	5.524	59	43245	52.270	ug/l #	75
12) 1,1-Dichloroethene	4.342	96	37558	9.849	ug/l #	79
13) Acrolein	4.177	56	49715	50.747	ug/l	95
14) Allyl chloride	5.018	41	54675	9.661	ug/l #	91
15) Acrylonitrile	5.718	53	105508	48.816	ug/l	95
16) Acetone	4.430	43	88513	52.800	ug/l	97
17) Carbon Disulfide	4.712	76	104857	9.634	ug/l #	93
18) Methyl Acetate	5.024	43	52153	10.866	ug/l #	86
19) Methyl tert-butyl Ether	5.795	73	126051	9.746	ug/l	99
20) Methylene Chloride	5.283	84	43580m	9.870	ug/l	
21) trans-1,2-Dichloroethene	5.777	96	41572	9.669	ug/l #	76
22) Diisopropyl ether	6.671	45	125899	10.016	ug/l	95
23) Vinyl Acetate	6.606	43	499014	48.865	ug/l #	92
24) 1,1-Dichloroethane	6.571	63	76373	9.925	ug/l #	94
25) 2-Butanone	7.489	43	144915	51.618	ug/l	94
26) 2,2-Dichloropropane	7.494	77	63603	9.352	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	47033	9.649	ug/l	90
28) Bromochloromethane	7.812	49	32612	9.905	ug/l #	71
29) Tetrahydrofuran	7.841	42	97686	51.027	ug/l	90
30) Chloroform	7.965	83	78508	9.832	ug/l	95
31) Cyclohexane	8.253	56	71690	10.008	ug/l #	94
32) 1,1,1-Trichloroethane	8.171	97	69887	9.901	ug/l	89
36) 1,1-Dichloropropene	8.371	75	58236	9.773	ug/l	97
37) Ethyl Acetate	7.559	43	58703	10.077	ug/l	97
38) Carbon Tetrachloride	8.359	117	58542	9.761	ug/l	93
39) Methylcyclohexane	9.606	83	66325	9.671	ug/l	87
40) Benzene	8.612	78	176601	9.929	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	31259	9.502	ug/l	97
42) 1,2-Dichloroethane	8.671	62	61231	9.763	ug/l	100
43) Isopropyl Acetate	8.694	43	97615	9.574	ug/l	98
44) Trichloroethene	9.359	130	42507	9.475	ug/l	94
45) 1,2-Dichloropropane	9.624	63	43924	9.830	ug/l	95
46) Dibromomethane	9.712	93	31494	10.000	ug/l	91
47) Bromodichloromethane	9.894	83	59920	9.800	ug/l #	93
48) Methyl methacrylate	9.683	41	43798	9.718	ug/l	90
49) 1,4-Dioxane	9.694	88	20455	205.922	ug/l #	83
51) 4-Methyl-2-Pentanone	10.447	43	299862	50.651	ug/l	97
52) Toluene	10.630	92	105003	9.772	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	63310	9.570	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	67537	9.457	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	42154	9.893	ug/l	95
56) Ethyl methacrylate	10.877	69	58563	9.572	ug/l	93
57) 1,3-Dichloropropane	11.165	76	70690	9.506	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	163432	49.658	ug/l #	88
59) 2-Hexanone	11.194	43	221774	50.109	ug/l	95
60) Dibromochloromethane	11.365	129	42335	9.647	ug/l	99
61) 1,2-Dibromoethane	11.471	107	44075	9.969	ug/l	98
64) Tetrachloroethene	11.106	164	42217	10.039	ug/l	97
65) Chlorobenzene	11.894	112	110903	9.799	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	40618	9.808	ug/l	96
67) Ethyl Benzene	11.965	91	193595	9.496	ug/l	99
68) m/p-Xylenes	12.076	106	148393	19.341	ug/l	97
69) o-Xylene	12.400	106	72666	9.773	ug/l	91
70) Styrene	12.412	104	114378	9.707	ug/l	97
71) Bromoform	12.582	173	26271	9.137	ug/l #	97
73) Isopropylbenzene	12.694	105	186937	10.157	ug/l	99
74) N-amyl acetate	12.494	43	78058	10.108	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	59006	10.388	ug/l	94
76) 1,2,3-Trichloropropane	13.000	75	53422m	9.678	ug/l	
77) Bromobenzene	12.982	156	40942	9.382	ug/l	81
78) n-propylbenzene	13.035	91	214969	9.875	ug/l	97
79) 2-Chlorotoluene	13.129	91	129707	9.748	ug/l	92
80) 1,3,5-Trimethylbenzene	13.176	105	160469	10.547	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	17563	9.104	ug/l	84
82) 4-Chlorotoluene	13.223	91	129645	9.864	ug/l	97
83) tert-Butylbenzene	13.441	119	133019	10.198	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	153803	9.978	ug/l	99
85) sec-Butylbenzene	13.618	105	191848	10.167	ug/l	97
86) p-Isopropyltoluene	13.735	119	153094	10.117	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	80564	9.777	ug/l	95
88) 1,4-Dichlorobenzene	13.812	146	80394	9.761	ug/l	100
89) n-Butylbenzene	14.059	91	133067	9.588	ug/l	97
90) Hexachloroethane	14.335	117	25901	9.776	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	79762	10.089	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	12543	10.319	ug/l	90
93) 1,2,4-Trichlorobenzene	15.400	180	38467	9.103	ug/l	93
94) Hexachlorobutadiene	15.506	225	16553	9.480	ug/l	98
95) Naphthalene	15.641	128	146128	9.718	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	42163	9.838	ug/l	99

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

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