

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041524\
 Data File : VN081735.D
 Acq On : 15 Apr 2024 12:59
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/15/2024
 Supervised By : Semsettin Yesilyurt 04/16/2024

Quant Time: Apr 15 15:14:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041524W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 15:10:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	264434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	461275	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	417828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	193242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	63552	17.079	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	34.160%#		
35) Dibromofluoromethane	8.171	113	54049	17.744	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	35.480%#		
50) Toluene-d8	10.565	98	196650	17.525	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	35.040%#		
62) 4-Bromofluorobenzene	12.847	95	67456	17.591	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	35.180%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	62419	18.639	ug/l	100
3) Chloromethane	2.359	50	63076	20.620	ug/l	97
4) Vinyl Chloride	2.518	62	76319	18.621	ug/l	99
5) Bromomethane	2.954	94	47779	19.294	ug/l	98
6) Chloroethane	3.118	64	53390	20.470	ug/l	99
7) Trichlorofluoromethane	3.501	101	81587	15.415	ug/l	97
8) Diethyl Ether	3.954	74	43557	23.444	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.377	101	74197	22.382	ug/l	90
10) Methyl Iodide	4.583	142	36752	20.656	ug/l	91
11) Tert butyl alcohol	5.512	59	49567	97.653	ug/l	99
12) 1,1-Dichloroethene	4.342	96	73186	23.294	ug/l	97
13) Acrolein	4.177	56	62134	115.150	ug/l	98
14) Allyl chloride	5.024	41	82776	20.634	ug/l	92
15) Acrylonitrile	5.718	53	141698	101.156	ug/l	97
16) Acetone	4.424	43	104558	100.959	ug/l	98
17) Carbon Disulfide	4.712	76	171411	18.771	ug/l	97
18) Methyl Acetate	5.030	43	56840	19.622	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	183788	20.099	ug/l	96
20) Methylene Chloride	5.271	84	67298	20.727	ug/l	96
21) trans-1,2-Dichloroethene	5.789	96	63382	20.086	ug/l	91
22) Diisopropyl ether	6.677	45	181833	20.956	ug/l	97
23) Vinyl Acetate	6.606	43	706717	104.344	ug/l	100
24) 1,1-Dichloroethane	6.571	63	111364	19.507	ug/l	98
25) 2-Butanone	7.489	43	165575	96.980	ug/l	100
26) 2,2-Dichloropropane	7.489	77	97359	19.564	ug/l	96
27) cis-1,2-Dichloroethene	7.489	96	74593	19.324	ug/l	95
28) Bromochloromethane	7.812	49	47412	19.452	ug/l	98
29) Tetrahydrofuran	7.841	42	110772	100.285	ug/l	97
30) Chloroform	7.971	83	122165	18.871	ug/l	95
31) Cyclohexane	8.259	56	98686	19.333	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	115446	20.111	ug/l	97
36) 1,1-Dichloropropene	8.371	75	85815	20.221	ug/l	98
37) Ethyl Acetate	7.565	43	74262	21.295	ug/l	97
38) Carbon Tetrachloride	8.359	117	101405	20.538	ug/l	94
39) Methylcyclohexane	9.600	83	101596	20.321	ug/l	89
40) Benzene	8.606	78	264466	20.005	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	38872	20.534	ug/l	97
42) 1,2-Dichloroethane	8.671	62	93454	20.279	ug/l	100
43) Isopropyl Acetate	8.688	43	125793	19.335	ug/l	99
44) Trichloroethene	9.353	130	71762	20.874	ug/l	98
45) 1,2-Dichloropropane	9.624	63	63982	20.992	ug/l	98
46) Dibromomethane	9.706	93	49162	19.326	ug/l	98
47) Bromodichloromethane	9.888	83	99295	20.433	ug/l	97
48) Methyl methacrylate	9.683	41	54747	20.646	ug/l	97
49) 1,4-Dioxane	9.694	88	25952	390.221	ug/l	94
51) 4-Methyl-2-Pentanone	10.447	43	376974	104.175	ug/l	98
52) Toluene	10.630	92	174113	20.735	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	96100	19.852	ug/l	93
54) cis-1,3-Dichloropropene	10.312	75	105845	20.526	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	63362	20.087	ug/l	95
56) Ethyl methacrylate	10.877	69	90584	20.871	ug/l	98
57) 1,3-Dichloropropane	11.165	76	108367	20.524	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	222430	96.856	ug/l	100
59) 2-Hexanone	11.194	43	272296	103.946	ug/l	100
60) Dibromochloromethane	11.365	129	78329	20.544	ug/l	97
61) 1,2-Dibromoethane	11.471	107	67176	20.416	ug/l	97
64) Tetrachloroethene	11.106	164	69892	19.716	ug/l	99
65) Chlorobenzene	11.894	112	195105	20.293	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	67107	20.461	ug/l	97
67) Ethyl Benzene	11.965	91	313575	20.720	ug/l	99
68) m/p-Xylenes	12.071	106	251975	42.817	ug/l	100
69) o-Xylene	12.400	106	118811	21.067	ug/l	97
70) Styrene	12.412	104	200568	21.708	ug/l	99
71) Bromoform	12.576	173	49974	19.746	ug/l #	99
73) Isopropylbenzene	12.694	105	308498	21.289	ug/l	100
74) N-amyl acetate	12.494	43	104889	19.888	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	84694	19.893	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	78809m	19.748	ug/l	
77) Bromobenzene	12.982	156	75409	20.412	ug/l	99
78) n-propylbenzene	13.035	91	359895	21.403	ug/l	99
79) 2-Chlorotoluene	13.123	91	217853	20.785	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	256985	21.710	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	30761	20.523	ug/l	97
82) 4-Chlorotoluene	13.223	91	215139	20.777	ug/l	99
83) tert-Butylbenzene	13.441	119	226316	21.829	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	268648	22.499	ug/l	98
85) sec-Butylbenzene	13.618	105	318954	22.046	ug/l	98
86) p-Isopropyltoluene	13.729	119	269188	22.700	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	143883	20.837	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	141841	20.571	ug/l	98
89) n-Butylbenzene	14.059	91	216475	20.879	ug/l	99
90) Hexachloroethane	14.335	117	51463	20.387	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	138979	20.795	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	17170	20.434	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	70362	19.986	ug/l	97
94) Hexachlorobutadiene	15.506	225	31278	20.610	ug/l	99
95) Naphthalene	15.641	128	237263	21.094	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	74175	20.607	ug/l	99

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

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