

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020624\
 Data File : VN080923.D
 Acq On : 06 Feb 2024 17:21
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/07/2024
 Supervised By : Mahesh Dadoda 02/07/2024

Quant Time: Feb 07 05:32:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020624W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 07 05:25:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	426317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	980949	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	677749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	274762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	29782	5.538	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.080%#		
35) Dibromofluoromethane	8.171	113	25584	4.860	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	9.720%#		
50) Toluene-d8	10.571	98	90210	4.738	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.480%#		
62) 4-Bromofluorobenzene	12.847	95	31226	4.515	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.020%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	24664	5.107	ug/l	92
3) Chloromethane	2.359	50	31120	4.977	ug/l	93
4) Vinyl Chloride	2.507	62	35201	5.581	ug/l	94
5) Bromomethane	2.942	94	25155	6.199	ug/l	84
6) Chloroethane	3.118	64	26154	5.863	ug/l #	85
7) Trichlorofluoromethane	3.495	101	44421	5.378	ug/l	88
8) Diethyl Ether	3.959	74	14811	5.019	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.371	101	23887	5.141	ug/l #	80
10) Methyl Iodide	4.589	142	23698	5.274	ug/l	92
11) Tert butyl alcohol	5.518	59	20417	27.554	ug/l	96
12) 1,1-Dichloroethene	4.336	96	23538	5.150	ug/l	95
13) Acrolein	4.183	56	25423	27.222	ug/l	92
14) Allyl chloride	5.024	41	30353	5.012	ug/l	90
15) Acrylonitrile	5.724	53	52989	26.161	ug/l	99
16) Acetone	4.436	43	49096	27.748	ug/l	93
17) Carbon Disulfide	4.712	76	60476	5.246	ug/l	99
18) Methyl Acetate	5.030	43	40880	5.140	ug/l #	85
19) Methyl tert-butyl Ether	5.789	73	77201	5.071	ug/l #	88
20) Methylene Chloride	5.271	84	27590	5.147	ug/l	86
21) trans-1,2-Dichloroethene	5.777	96	26587	5.182	ug/l #	79
22) Diisopropyl ether	6.677	45	69786	4.972	ug/l #	93
23) Vinyl Acetate	6.600	43	203915	22.046	ug/l #	83
24) 1,1-Dichloroethane	6.565	63	45598	4.988	ug/l #	93
25) 2-Butanone	7.483	43	75961	26.747	ug/l	97
26) 2,2-Dichloropropane	7.489	77	40469	4.841	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	30003	5.033	ug/l	81
28) Bromochloromethane	7.812	49	20562	5.406	ug/l #	68
29) Tetrahydrofuran	7.836	42	42720	24.604	ug/l #	81
30) Chloroform	7.965	83	48450	4.796	ug/l	97
31) Cyclohexane	8.253	56	44415	6.043	ug/l #	66
32) 1,1,1-Trichloroethane	8.171	97	42249	4.826	ug/l #	48
36) 1,1-Dichloropropene	8.377	75	35793	4.571	ug/l	96
37) Ethyl Acetate	7.559	43	26053	4.397	ug/l #	94
38) Carbon Tetrachloride	8.359	117	34008	4.237	ug/l	86
39) Methylcyclohexane	9.600	83	41583	4.765	ug/l	86
40) Benzene	8.606	78	106571	4.471	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	16434	4.654	ug/l	94
42) 1,2-Dichloroethane	8.677	62	38505	4.640	ug/l	97
43) Isopropyl Acetate	8.694	43	49632	4.555	ug/l #	91
44) Trichloroethene	9.353	130	32662	4.511	ug/l	91
45) 1,2-Dichloropropane	9.618	63	30088	4.678	ug/l	91
46) Dibromomethane	9.706	93	22952	4.826	ug/l #	84
47) Bromodichloromethane	9.888	83	41093	4.418	ug/l #	88
48) Methyl methacrylate	9.683	41	29564	4.816	ug/l #	84
49) 1,4-Dioxane	9.694	88	10493	92.574	ug/l #	68
51) 4-Methyl-2-Pentanone	10.447	43	141785	21.593	ug/l	94
52) Toluene	10.630	92	65452	4.099	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	35573	3.952	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	40392	3.998	ug/l	89
55) 1,1,2-Trichloroethane	11.018	97	25021	4.055	ug/l	92
56) Ethyl methacrylate	10.882	69	24429	3.309	ug/l	90
57) 1,3-Dichloropropane	11.165	76	42296	4.225	ug/l	94
58) 2-Chloroethyl Vinyl ether	10.159	63	98973	22.084	ug/l #	83
59) 2-Hexanone	11.200	43	111759	22.456	ug/l	95
60) Dibromochloromethane	11.359	129	26439	4.193	ug/l	99
61) 1,2-Dibromoethane	11.471	107	27012	4.388	ug/l	95
64) Tetrachloroethene	11.106	164	25252	4.936	ug/l #	75
65) Chlorobenzene	11.894	112	70361	4.954	ug/l	89
66) 1,1,1,2-Tetrachloroethane	11.965	131	24169	4.715	ug/l	98
67) Ethyl Benzene	11.965	91	117856	4.817	ug/l	97
68) m/p-Xylenes	12.071	106	89152	9.590	ug/l	89
69) o-Xylene	12.400	106	42068	4.664	ug/l	94
70) Styrene	12.412	104	58801	4.343	ug/l	97
71) Bromoform	12.582	173	15424	4.493	ug/l #	96
73) Isopropylbenzene	12.700	105	103652	4.851	ug/l	97
74) N-amyl acetate	12.500	43	37841	4.913	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	32495	4.888	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	25799m	4.414	ug/l	
77) Bromobenzene	12.982	156	26232	4.865	ug/l	74
78) n-propylbenzene	13.041	91	117805	4.883	ug/l	97
79) 2-Chlorotoluene	13.123	91	76224	4.999	ug/l	92
80) 1,3,5-Trimethylbenzene	13.176	105	83167	4.788	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.741	75	8546	4.144	ug/l #	74
82) 4-Chlorotoluene	13.223	91	76075	5.001	ug/l	95
83) tert-Butylbenzene	13.441	119	70631	4.771	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	81725	4.724	ug/l	92
85) sec-Butylbenzene	13.618	105	95675	4.809	ug/l	93
86) p-Isopropyltoluene	13.729	119	77944	4.636	ug/l	97
87) 1,3-Dichlorobenzene	13.741	146	46888	4.883	ug/l	93
88) 1,4-Dichlorobenzene	13.812	146	47876	4.913	ug/l	97
89) n-Butylbenzene	14.059	91	71549	4.818	ug/l	97
90) Hexachloroethane	14.329	117	12814	4.834	ug/l	98
91) 1,2-Dichlorobenzene	14.112	146	42972	4.671	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.723	75	5920	4.761	ug/l	86
93) 1,2,4-Trichlorobenzene	15.400	180	22477	4.939	ug/l	100
94) Hexachlorobutadiene	15.506	225	10362	5.252	ug/l	99
95) Naphthalene	15.641	128	72585	4.831	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	21472	4.794	ug/l	95

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

