

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042423\
 Data File : VN077432.D
 Acq On : 24 Apr 2023 11:14
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/25/2023
 Supervised By : Mahesh Dadoda 04/25/2023

Quant Time: Apr 25 02:02:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 01:54:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	644414	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1215461	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	1015747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	336080	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	74 - 125	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.137	85	6307	1.071	ug/l	92
3) Chloromethane	2.372	50	6719	1.040	ug/l	93
4) Vinyl Chloride	2.519	62	8074	0.938	ug/l #	75
6) Chloroethane	3.131	64	7739	1.184	ug/l	99
7) Trichlorofluoromethane	3.513	101	12190	0.964	ug/l	94
8) Diethyl Ether	3.966	74	4512	0.982	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.390	101	7661	1.042	ug/l	94
12) 1,1-Dichloroethene	4.348	96	7547m	1.044	ug/l	
14) Allyl chloride	5.031	41	7530	0.942	ug/l #	73
15) Acrylonitrile	5.737	53	15211	4.967	ug/l	99
16) Acetone	4.454	43	16537	6.182	ug/l #	76
17) Carbon Disulfide	4.731	76	19538	1.069	ug/l	97
18) Methyl Acetate	5.037	43	10738	1.039	ug/l #	71
19) Methyl tert-butyl Ether	5.807	73	23452	0.981	ug/l	92
20) Methylene Chloride	5.278	84	9949	1.173	ug/l #	85
21) trans-1,2-Dichloroethene	5.807	96	8289	1.066	ug/l #	66
22) Diisopropyl ether	6.678	45	17669	0.963	ug/l #	91
23) Vinyl Acetate	6.619	43	51592m	4.502	ug/l	
24) 1,1-Dichloroethane	6.578	63	12472	0.960	ug/l #	91
25) 2-Butanone	7.489	43	19029	5.015	ug/l	98
26) 2,2-Dichloropropane	7.495	77	12841	1.020	ug/l	99
27) cis-1,2-Dichloroethene	7.507	96	9946	1.080	ug/l	91
28) Bromochloromethane	7.825	49	5094	1.027	ug/l	94
29) Tetrahydrofuran	7.854	42	10974	4.616	ug/l	93
30) Chloroform	7.978	83	13796	0.942	ug/l #	83
32) 1,1,1-Trichloroethane	8.178	97	12088	0.898	ug/l #	36
36) 1,1-Dichloropropene	8.372	75	9756	0.924	ug/l	99
37) Ethyl Acetate	7.572	43	9281	1.157	ug/l	98
38) Carbon Tetrachloride	8.372	117	11116	0.955	ug/l #	78
39) Methylcyclohexane	9.601	83	13872	0.998	ug/l #	85
40) Benzene	8.607	78	30716	0.955	ug/l #	90
41) Methacrylonitrile	7.789	41	4144	0.992	ug/l #	89
42) 1,2-Dichloroethane	8.678	62	10995	0.996	ug/l	99
43) Isopropyl Acetate	8.695	43	12553	0.905	ug/l	93
44) Trichloroethene	9.354	130	7344	0.892	ug/l	99
45) 1,2-Dichloropropane	9.624	63	6903	0.917	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.707	93	6415	1.050	ug/l	89
47) Bromodichloromethane	9.895	83	11174	0.945	ug/l #	81
48) Methyl methacrylate	9.683	41	7051	1.116	ug/l	88
49) 1,4-Dioxane	9.695	88	3175	20.042	ug/l #	92
51) 4-Methyl-2-Pentanone	10.448	43	39119	4.807	ug/l	97
52) Toluene	10.630	92	19014	0.903	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	10564	0.883	ug/l	89
54) cis-1,3-Dichloropropene	10.324	75	10903	0.837	ug/l	95
55) 1,1,2-Trichloroethane	11.019	97	8391	0.991	ug/l #	88
56) Ethyl methacrylate	10.871	69	10201	0.860	ug/l #	88
57) 1,3-Dichloropropane	11.166	76	11709	0.868	ug/l #	82
58) 2-Chloroethyl Vinyl ether	10.160	63	17600	4.384	ug/l	93
59) 2-Hexanone	11.201	43	29369	4.965	ug/l	94
60) Dibromochloromethane	11.360	129	7963	0.906	ug/l	85
61) 1,2-Dibromoethane	11.471	107	8761	1.013	ug/l	87
64) Tetrachloroethene	11.101	164	6299	1.036	ug/l	90
65) Chlorobenzene	11.889	112	22706	1.056	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.960	131	8012	1.025	ug/l #	64
67) Ethyl Benzene	11.966	91	35198	0.930	ug/l	97
68) m/p-Xylenes	12.066	106	27448	1.866	ug/l	95
69) o-Xylene	12.401	106	13414	0.927	ug/l	95
70) Styrene	12.413	104	18983	0.839	ug/l	91
71) Bromoform	12.577	173	4836	0.945	ug/l #	28
73) Isopropylbenzene	12.701	105	31216	1.001	ug/l	100
74) N-amyl acetate	12.501	43	10687	1.157	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.936	83	11622	1.186	ug/l	95
76) 1,2,3-Trichloropropane	12.989	75	8824m	1.105	ug/l	
77) Bromobenzene	12.983	156	7423	1.092	ug/l	93
78) n-propylbenzene	13.042	91	35282	1.023	ug/l	98
79) 2-Chlorotoluene	13.130	91	21905	1.030	ug/l	93
80) 1,3,5-Trimethylbenzene	13.183	105	19267	0.832	ug/l	93
82) 4-Chlorotoluene	13.230	91	20363	1.025	ug/l	96
83) tert-Butylbenzene	13.442	119	23618	1.050	ug/l	97
84) 1,2,4-Trimethylbenzene	13.483	105	17636	0.815	ug/l	94
85) sec-Butylbenzene	13.618	105	28271	0.916	ug/l	90
86) p-Isopropyltoluene	13.736	119	21606	0.910	ug/l	97
87) 1,3-Dichlorobenzene	13.730	146	13329	1.103	ug/l	95
88) 1,4-Dichlorobenzene	13.818	146	13477m	1.130	ug/l	
89) n-Butylbenzene	14.065	91	16045	0.873	ug/l	93
90) Hexachloroethane	14.336	117	5927	1.129	ug/l	81
91) 1,2-Dichlorobenzene	14.112	146	13538	1.129	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.724	75	2201	1.215	ug/l	90
93) 1,2,4-Trichlorobenzene	15.377	180	3361	2.158	ug/l	97
94) Hexachlorobutadiene	15.465	225	2463	1.017	ug/l	95
95) Naphthalene	15.589	128	11819	2.434	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.754	180	3913	2.201	ug/l	95

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

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