

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071023\
 Data File : VN078454.D
 Acq On : 10 Jul 2023 14:46
 Operator : JC\MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/10/2023
 Supervised By : Mahesh Dadoda 07/11/2023

Quant Time: Jul 10 16:08:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:08:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	465120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	818145	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	672181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	177944	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	2.136	85	6051	1.061	ug/l	98
3) Chloromethane	2.371	50	7605	1.227	ug/l	90
4) Vinyl Chloride	2.518	62	9060	1.130	ug/l #	79
6) Chloroethane	3.136	64	6985	1.289	ug/l	89
7) Trichlorofluoromethane	3.506	101	10631	1.109	ug/l #	76
8) Diethyl Ether	3.965	74	3469	1.086	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.383	101	5297m	1.044	ug/l	
12) 1,1-Dichloroethene	4.353	96	5073	1.034	ug/l	88
14) Allyl chloride	5.036	41	6513	0.971	ug/l #	32
15) Acrylonitrile	5.735	53	11742	4.833	ug/l #	84
16) Acetone	4.453	43	11033	5.680	ug/l	98
17) Carbon Disulfide	4.724	76	16837	1.186	ug/l #	89
18) Methyl Acetate	5.053	43	9440	1.148	ug/l #	83
19) Methyl tert-butyl Ether	5.812	73	15824	0.979	ug/l	99
20) Methylene Chloride	5.288	84	8757	1.284	ug/l	89
21) trans-1,2-Dichloroethene	5.794	96	5678	1.027	ug/l #	82
22) Diisopropyl ether	6.694	45	13689	0.912	ug/l #	90
23) Vinyl Acetate	6.612	43	40842	4.278	ug/l	100
24) 1,1-Dichloroethane	6.588	63	10638	1.051	ug/l #	93
25) 2-Butanone	7.500	43	15451	5.053	ug/l #	82
26) 2,2-Dichloropropane	7.512	77	8972m	1.084	ug/l	
27) cis-1,2-Dichloroethene	7.494	96	6309	0.986	ug/l	91
28) Bromochloromethane	7.812	49	5279	1.108	ug/l #	74
29) Tetrahydrofuran	7.853	42	9965	4.967	ug/l #	81
30) Chloroform	7.982	83	10434	0.990	ug/l	90
32) 1,1,1-Trichloroethane	8.177	97	8816	0.933	ug/l #	51
36) 1,1-Dichloropropene	8.376	75	8420	1.050	ug/l	93
37) Ethyl Acetate	7.571	43	6447	0.964	ug/l #	76
38) Carbon Tetrachloride	8.365	117	8814	1.011	ug/l #	76
39) Methylcyclohexane	9.600	83	7452	1.018	ug/l #	74
40) Benzene	8.618	78	23229	0.978	ug/l	96
41) Methacrylonitrile	7.800	41	3220	0.945	ug/l #	73
42) 1,2-Dichloroethane	8.688	62	8541	1.057	ug/l	97
43) Isopropyl Acetate	8.694	43	9229	0.839	ug/l	91
44) Trichloroethene	9.359	130	7499	1.171	ug/l	70
45) 1,2-Dichloropropane	9.623	63	6009	0.999	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.718	93	3991	0.942	ug/l #	84
47) Bromodichloromethane	9.888	83	8476	0.998	ug/l #	77
48) Methyl methacrylate	9.700	41	4681	0.918	ug/l #	59
49) 1,4-Dioxane	9.700	88	2332	20.972	ug/l #	90
51) 4-Methyl-2-Pentanone	10.453	43	28299	4.323	ug/l	90
52) Toluene	10.647	92	14474	0.983	ug/l	92
53) t-1,3-Dichloropropene	10.841	75	7787	0.895	ug/l #	81
54) cis-1,3-Dichloropropene	10.318	75	7647	0.825	ug/l #	87
55) 1,1,2-Trichloroethane	11.023	97	5774	0.995	ug/l #	82
56) Ethyl methacrylate	10.876	69	7066	0.871	ug/l #	87
57) 1,3-Dichloropropane	11.170	76	9790	0.992	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.170	63	12104	4.188	ug/l	99
59) 2-Hexanone	11.200	43	19374	4.164	ug/l	93
60) Dibromochloromethane	11.370	129	5887	0.919	ug/l	98
61) 1,2-Dibromoethane	11.476	107	5487	0.918	ug/l	99
64) Tetrachloroethene	11.112	164	4574	0.905	ug/l	95
65) Chlorobenzene	11.894	112	15354	1.022	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.964	131	5862	1.014	ug/l #	60
67) Ethyl Benzene	11.970	91	22338	0.880	ug/l	89
68) m/p-Xylenes	12.076	106	14400	1.534	ug/l	78
69) o-Xylene	12.406	106	8798	0.928	ug/l	89
70) Styrene	12.417	104	11654	0.785	ug/l	94
71) Bromoform	12.576	173	3172	0.810	ug/l #	81
73) Isopropylbenzene	12.700	105	18287	1.094	ug/l	100
74) N-amyl acetate	12.500	43	6033	1.047	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.935	83	7660	1.357	ug/l	97
76) 1,2,3-Trichloropropane	13.000	75	4348m	1.012	ug/l	
77) Bromobenzene	12.988	156	5251	1.279	ug/l	99
78) n-propylbenzene	13.041	91	18066	1.010	ug/l	91
79) 2-Chlorotoluene	13.129	91	13932	1.189	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	14027	1.062	ug/l	96
82) 4-Chlorotoluene	13.229	91	11336	1.037	ug/l	94
83) tert-Butylbenzene	13.441	119	12155	1.084	ug/l	87
84) 1,2,4-Trimethylbenzene	13.488	105	12669	0.987	ug/l	93
85) sec-Butylbenzene	13.623	105	14915	1.052	ug/l	94
86) p-Isopropyltoluene	13.729	119	11243	0.988	ug/l	90
87) 1,3-Dichlorobenzene	13.741	146	6600	1.028	ug/l	98
88) 1,4-Dichlorobenzene	13.811	146	7347m	1.136	ug/l	
89) n-Butylbenzene	14.064	91	6783	0.833	ug/l	92
90) Hexachloroethane	14.341	117	3389	0.817	ug/l	92
91) 1,2-Dichlorobenzene	14.111	146	6581	1.030	ug/l	89
92) 1,2-Dibromo-3-Chloropr...	14.735	75	1298	1.395	ug/l	92
93) 1,2,4-Trichlorobenzene	15.394	180	1938	0.951	ug/l	96
94) Hexachlorobutadiene	15.505	225	1773	1.329	ug/l	87
95) Naphthalene	15.647	128	7750	1.112	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.852	180	2469	1.053	ug/l	97

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

Manual Integrations

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