

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101722\
 Data File : VN074909.D
 Acq On : 17 Oct 2022 11:24
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/18/2022
 Supervised By : Mahesh Dadoda 10/18/2022

Quant Time: Oct 17 12:21:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101722W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 17 11:33:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	295150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	530408	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	554140	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	224286	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.153	85	5566	0.983	ug/l	96
3) Chloromethane	2.389	50	15666m	1.861	ug/l	
4) Vinyl Chloride	2.530	62	15974	1.293	ug/l	96
6) Chloroethane	3.124	64	11051m	1.130	ug/l	
7) Trichlorofluoromethane	3.518	101	9879	1.150	ug/l #	60
8) Diethyl Ether	3.994	74	3492m	0.884	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.383	101	8254	1.519	ug/l #	65
12) 1,1-Dichloroethene	4.341	96	3191	0.628	ug/l #	62
14) Allyl chloride	5.047	41	11701	1.166	ug/l #	88
15) Acrylonitrile	5.741	53	25325	5.883	ug/l #	84
16) Acetone	4.471	43	25713	6.980	ug/l	90
17) Carbon Disulfide	4.730	76	16657	1.291	ug/l	96
18) Methyl Acetate	5.071	43	27549m	2.089	ug/l	
19) Methyl tert-butyl Ether	5.830	73	17475	0.870	ug/l #	56
20) Methylene Chloride	5.306	84	7997	1.109	ug/l #	72
21) trans-1,2-Dichloroethene	5.800	96	7102m	1.262	ug/l	
22) Diisopropyl ether	6.683	45	22827	0.994	ug/l #	88
23) Vinyl Acetate	6.624	43	77805	4.615	ug/l #	94
24) 1,1-Dichloroethane	6.588	63	13137	1.062	ug/l #	92
25) 2-Butanone	7.512	43	33939	5.595	ug/l	91
26) 2,2-Dichloropropane	7.500	77	10789	1.088	ug/l	97
27) cis-1,2-Dichloroethene	7.506	96	7916	1.132	ug/l	86
28) Bromochloromethane	7.830	49	5630m	1.084	ug/l	
29) Tetrahydrofuran	7.865	42	21810	5.477	ug/l	89
30) Chloroform	7.971	83	12982	1.134	ug/l #	68
32) 1,1,1-Trichloroethane	8.171	97	11835	1.218	ug/l #	48
36) 1,1-Dichloropropene	8.382	75	9202	1.090	ug/l	90
37) Ethyl Acetate	7.588	43	12523	0.979	ug/l #	92
38) Carbon Tetrachloride	8.377	117	9135	1.144	ug/l #	84
39) Methylcyclohexane	9.612	83	9176	0.901	ug/l #	86
40) Benzene	8.612	78	29072	1.047	ug/l #	88
41) Methacrylonitrile	7.806	41	7345	1.190	ug/l #	31
42) 1,2-Dichloroethane	8.677	62	9527	1.050	ug/l	92
43) Isopropyl Acetate	8.694	43	19025	0.986	ug/l #	74
44) Trichloroethene	9.353	130	6437	1.107	ug/l	77
45) 1,2-Dichloropropane	9.629	63	9254	1.238	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) Dibromomethane	9.706	93	4733	0.989	ug/l	94	10/18/2022
47) Bromodichloromethane	9.888	83	8652	0.942	ug/l #	84	Supervised By : Mahesh Dadoda
48) Methyl methacrylate	9.629	41	9999m	1.113	ug/l		
49) 1,4-Dioxane	9.700	88	3375m	20.611	ug/l		
51) 4-Methyl-2-Pentanone	10.447	43	60161	4.848	ug/l	97	
52) Toluene	10.641	92	16322	0.981	ug/l	93	
53) t-1,3-Dichloropropene	10.835	75	9063	0.903	ug/l	93	10/18/2022
54) cis-1,3-Dichloropropene	10.318	75	9724	0.908	ug/l	98	
55) 1,1,2-Trichloroethane	11.018	97	8219	1.230	ug/l #	84	
56) Ethyl methacrylate	10.888	69	8723	0.815	ug/l #	63	
57) 1,3-Dichloropropane	11.170	76	11488	0.948	ug/l #	74	
58) 2-Chloroethyl Vinyl ether	10.171	63	23815	6.254	ug/l	98	
59) 2-Hexanone	11.200	43	50277	5.550	ug/l	89	
60) Dibromochloromethane	11.359	129	7020	1.048	ug/l	94	
61) 1,2-Dibromoethane	11.476	107	7240	1.095	ug/l	95	
64) Tetrachloroethene	11.106	164	5129	1.147	ug/l #	70	
65) Chlorobenzene	11.894	112	16033	1.003	ug/l	94	
66) 1,1,1,2-Tetrachloroethane	11.959	131	6799	1.134	ug/l	93	
67) Ethyl Benzene	11.970	91	27467	0.937	ug/l	96	
68) m/p-Xylenes	12.070	106	19941	1.826	ug/l	98	
69) o-Xylene	12.400	106	11265	1.010	ug/l	99	
70) Styrene	12.412	104	17264	0.976	ug/l	98	
71) Bromoform	12.576	173	4625	1.114	ug/l #	99	
73) Isopropylbenzene	12.700	105	26617	1.334	ug/l	97	
74) N-amyl acetate	12.494	43	14362	1.326	ug/l #	93	
75) 1,1,2,2-Tetrachloroethane	12.935	83	9725	1.231	ug/l	94	
76) 1,2,3-Trichloropropane	12.994	75	7127m	1.079	ug/l		
77) Bromobenzene	12.976	156	5848	1.323	ug/l	93	
78) n-propylbenzene	13.035	91	25015	1.098	ug/l	97	
79) 2-Chlorotoluene	13.117	91	17993	1.321	ug/l	94	
80) 1,3,5-Trimethylbenzene	13.176	105	18929	1.167	ug/l	100	
82) 4-Chlorotoluene	13.223	91	14393	1.130	ug/l	90	
83) tert-Butylbenzene	13.447	119	16594	1.184	ug/l	89	
84) 1,2,4-Trimethylbenzene	13.488	105	16650	1.045	ug/l	89	
85) sec-Butylbenzene	13.623	105	21336	1.056	ug/l	98	
86) p-Isopropyltoluene	13.723	119	14192	0.884	ug/l	89	
87) 1,3-Dichlorobenzene	13.735	146	9806	1.183	ug/l	88	
88) 1,4-Dichlorobenzene	13.817	146	8742m	1.069	ug/l		
89) n-Butylbenzene	14.064	91	14019	1.024	ug/l	97	
90) Hexachloroethane	14.329	117	3472	1.007	ug/l	97	
91) 1,2-Dichlorobenzene	14.106	146	8928	1.038	ug/l #	71	
92) 1,2-Dibromo-3-Chloropr...	14.723	75	1734	1.183	ug/l	92	
93) 1,2,4-Trichlorobenzene	15.400	180	4028	1.036	ug/l	87	
94) Hexachlorobutadiene	15.500	225	2386	1.277	ug/l #	58	
95) Naphthalene	15.641	128	15022	1.079	ug/l #	83	
96) 1,2,3-Trichlorobenzene	15.841	180	5333	1.448	ug/l	86	

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

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