

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021323\
 Data File : VN076621.D
 Acq On : 13 Feb 2023 10:40
 Operator : JC\MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Feb 13 11:37:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 13 11:31:16 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/14/2023
 Supervised By : Mahesh Dadoda 02/14/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	312886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	554827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	492720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	216892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	23237	6.292	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	12.580%#		
35) Dibromofluoromethane	8.172	113	20335	5.896	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	11.800%#		
50) Toluene-d8	10.572	98	68996	5.318	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.640%#		
62) 4-Bromofluorobenzene	12.848	95	21075	4.611	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.220%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	13115	4.035	ug/l	76
3) Chloromethane	2.378	50	19466	6.516	ug/l #	87
4) Vinyl Chloride	2.525	62	19865	7.242	ug/l	90
5) Bromomethane	2.931	94	16263	7.991	ug/l	90
6) Chloroethane	3.119	64	14990	9.035	ug/l	99
7) Trichlorofluoromethane	3.507	101	30097	5.567	ug/l	95
8) Diethyl Ether	3.972	74	11403	5.570	ug/l	63
9) 1,1,2-Trichlorotrifluo...	4.378	101	17491	5.222	ug/l #	87
10) Methyl Iodide	4.596	142	16738	3.417	ug/l #	97
11) Tert butyl alcohol	5.537	59	14696	30.552	ug/l	96
12) 1,1-Dichloroethene	4.343	96	16371	5.232	ug/l	95
13) Acrolein	4.190	56	24577	38.246	ug/l	93
14) Allyl chloride	5.043	41	29021	7.122	ug/l #	90
15) Acrylonitrile	5.731	53	50481	34.972	ug/l	97
16) Acetone	4.449	43	50083	41.135	ug/l	92
17) Carbon Disulfide	4.719	76	39817	4.912	ug/l	98
18) Methyl Acetate	5.043	43	29325	7.612	ug/l	91
19) Methyl tert-butyl Ether	5.801	73	55361	5.320	ug/l	91
20) Methylene Chloride	5.290	84	21654	5.769	ug/l #	79
21) trans-1,2-Dichloroethene	5.790	96	18599	5.469	ug/l #	79
22) Diisopropyl ether	6.684	45	65195	7.059	ug/l #	89
23) Vinyl Acetate	6.613	43	181940	31.484	ug/l #	86
24) 1,1-Dichloroethane	6.572	63	35790	6.035	ug/l	98
25) 2-Butanone	7.489	43	70156	40.087	ug/l #	88
26) 2,2-Dichloropropane	7.501	77	24918	5.033	ug/l	96
27) cis-1,2-Dichloroethene	7.501	96	20427	5.136	ug/l	86
28) Bromochloromethane	7.819	49	19002	7.996	ug/l #	5
29) Tetrahydrofuran	7.848	42	45546	40.493	ug/l #	79
30) Chloroform	7.966	83	37388	5.811	ug/l	95
31) Cyclohexane	8.260	56	39236	6.722	ug/l	85
32) 1,1,1-Trichloroethane	8.178	97	31817	5.519	ug/l #	45
36) 1,1-Dichloropropene	8.372	75	25689	5.217	ug/l	95
37) Ethyl Acetate	7.560	43	30725	8.328	ug/l #	91
38) Carbon Tetrachloride	8.366	117	27091	5.117	ug/l	92
39) Methylcyclohexane	9.601	83	29160	4.768	ug/l #	87
40) Benzene	8.613	78	81359	5.450	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	16673	7.981	ug/l #	83
42) 1,2-Dichloroethane	8.678	62	30124	6.198	ug/l	99
43) Isopropyl Acetate	8.689	43	43509	7.087	ug/l	95
44) Trichloroethene	9.360	130	19106	4.793	ug/l	89
45) 1,2-Dichloropropane	9.619	63	21601	6.025	ug/l	93
46) Dibromomethane	9.707	93	13986	5.408	ug/l	93
47) Bromodichloromethane	9.889	83	28275	5.437	ug/l #	94
48) Methyl methacrylate	9.689	41	20670	6.846	ug/l #	77
49) 1,4-Dioxane	9.695	88	7030	108.848	ug/l #	75
51) 4-Methyl-2-Pentanone	10.448	43	144175	39.076	ug/l	87
52) Toluene	10.630	92	49334	5.121	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	23970	4.770	ug/l	100
54) cis-1,3-Dichloropropene	10.313	75	30770	5.370	ug/l #	85
55) 1,1,2-Trichloroethane	11.019	97	21684	5.747	ug/l	93
56) Ethyl methacrylate	10.878	69	27013	5.349	ug/l #	80
57) 1,3-Dichloropropane	11.166	76	34983	5.728	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.160	63	64633	44.788	ug/l	90
59) 2-Hexanone	11.201	43	98825	37.571	ug/l	83
60) Dibromochloromethane	11.360	129	19746	4.966	ug/l	100
61) 1,2-Dibromoethane	11.466	107	19457	5.210	ug/l	98
64) Tetrachloroethene	11.107	164	15774	3.845	ug/l #	87
65) Chlorobenzene	11.889	112	51476	5.052	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.966	131	18657	4.944	ug/l	98
67) Ethyl Benzene	11.966	91	88638	4.895	ug/l	98
68) m/p-Xylenes	12.072	106	68494	9.708	ug/l	99
69) o-Xylene	12.401	106	33691	4.877	ug/l	94
70) Styrene	12.413	104	53278	4.849	ug/l	98
71) Bromoform	12.577	173	13023	4.944	ug/l #	98
73) Isopropylbenzene	12.701	105	79679	4.486	ug/l	99
74) N-amyl acetate	12.495	43	34687	7.002	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.942	83	31538	6.478	ug/l	97
76) 1,2,3-Trichloropropane	12.995	75	24527m	6.061	ug/l	
77) Bromobenzene	12.983	156	20341	4.923	ug/l	92
78) n-propylbenzene	13.042	91	92093	4.708	ug/l	99
79) 2-Chlorotoluene	13.124	91	58751	4.715	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	67249	4.562	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.742	75	8044	6.104	ug/l #	87
82) 4-Chlorotoluene	13.124	91	58751	4.715	ug/l	99
83) tert-Butylbenzene	13.442	119	60393	4.574	ug/l	98
84) 1,2,4-Trimethylbenzene	13.489	105	67603	4.608	ug/l	97
85) sec-Butylbenzene	13.619	105	82941	4.658	ug/l	98
86) p-Isopropyltoluene	13.730	119	64392	4.413	ug/l	96
87) 1,3-Dichlorobenzene	13.730	146	39428	5.185	ug/l	97
88) 1,4-Dichlorobenzene	13.813	146	37696	4.880	ug/l	91
89) n-Butylbenzene	14.060	91	55635	4.815	ug/l	97
90) Hexachloroethane	14.336	117	14083	5.541	ug/l	100
91) 1,2-Dichlorobenzene	14.107	146	40849	5.448	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.730	75	6533	7.753	ug/l	71
93) 1,2,4-Trichlorobenzene	15.395	180	17090	4.975	ug/l	96
94) Hexachlorobutadiene	15.507	225	8968	4.642	ug/l	82
95) Naphthalene	15.642	128	49509	4.954	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	19305	5.868	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

