

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030623\
 Data File : VN076854.D
 Acq On : 06 Mar 2023 17:38
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/07/2023
 Supervised By : Semsettin Yesilyurt 03/07/2023

Quant Time: Mar 07 01:45:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 07 01:38:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	512916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	915270	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	790600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	321273	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	41436	5.762	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	11.520%#
35) Dibromofluoromethane	8.172	113	31992	5.587	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	11.180%#
50) Toluene-d8	10.572	98	119573	5.420	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	10.840%#
62) 4-Bromofluorobenzene	12.854	95	39518	5.170	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	10.340%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	31653	5.303	ug/l	94
3) Chloromethane	2.378	50	42130	5.367	ug/l	99
4) Vinyl Chloride	2.525	62	37459	5.206	ug/l	99
5) Bromomethane	2.937	94	29070	6.149	ug/l #	76
6) Chloroethane	3.113	64	24411	5.093	ug/l #	87
7) Trichlorofluoromethane	3.507	101	52962	5.045	ug/l	97
8) Diethyl Ether	3.972	74	20019	4.957	ug/l	59
9) 1,1,2-Trichlorotrifluo...	4.384	101	32418	5.281	ug/l	99
10) Methyl Iodide	4.601	142	25899	4.045	ug/l #	98
11) Tert butyl alcohol	5.531	59	27797	26.030	ug/l	96
12) 1,1-Dichloroethene	4.354	96	29659	5.182	ug/l	96
13) Acrolein	4.190	56	37374	27.054	ug/l	97
14) Allyl chloride	5.031	41	52770	5.522	ug/l #	73
15) Acrylonitrile	5.731	53	88049	25.638	ug/l	99
16) Acetone	4.448	43	85514	27.242	ug/l	97
17) Carbon Disulfide	4.725	76	79385	5.109	ug/l	99
18) Methyl Acetate	5.048	43	52708	4.900	ug/l #	87
19) Methyl tert-butyl Ether	5.807	73	98518	5.019	ug/l	94
20) Methylene Chloride	5.284	84	39208	5.354	ug/l #	84
21) trans-1,2-Dichloroethene	5.801	96	33149	5.356	ug/l	94
22) Diisopropyl ether	6.684	45	108820	5.062	ug/l #	93
23) Vinyl Acetate	6.613	43	334405	24.419	ug/l #	91
24) 1,1-Dichloroethane	6.578	63	63664	5.193	ug/l	95
25) 2-Butanone	7.495	43	119328	26.024	ug/l #	79
26) 2,2-Dichloropropane	7.501	77	46260	5.153	ug/l	96
27) cis-1,2-Dichloroethene	7.495	96	37181	5.128	ug/l	87
28) Bromochloromethane	7.819	49	28534	5.504	ug/l #	79
29) Tetrahydrofuran	7.848	42	71900	24.307	ug/l #	79
30) Chloroform	7.972	83	63078	5.180	ug/l	95
31) Cyclohexane	8.260	56	69902	5.754	ug/l #	80
32) 1,1,1-Trichloroethane	8.172	97	52596	4.988	ug/l #	49
36) 1,1-Dichloropropene	8.378	75	46322	5.034	ug/l	94
37) Ethyl Acetate	7.572	43	48721	5.158	ug/l #	92
38) Carbon Tetrachloride	8.366	117	48005	5.135	ug/l	92
39) Methylcyclohexane	9.607	83	54899	4.840	ug/l #	81
40) Benzene	8.613	78	144685	5.161	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	25203	4.886	ug/l #	83
42) 1,2-Dichloroethane	8.678	62	50187	5.139	ug/l	98
43) Isopropyl Acetate	8.695	43	72307	5.000	ug/l #	90
44) Trichloroethene	9.354	130	33795	5.084	ug/l	99
45) 1,2-Dichloropropane	9.625	63	37482	5.174	ug/l	92
46) Dibromomethane	9.713	93	24146	5.248	ug/l	96
47) Bromodichloromethane	9.889	83	47951	5.069	ug/l	98
48) Methyl methacrylate	9.683	41	33506	4.768	ug/l #	76
49) 1,4-Dioxane	9.701	88	13054	101.357	ug/l #	78
51) 4-Methyl-2-Pentanone	10.448	43	225996	24.777	ug/l	90
52) Toluene	10.630	92	86489	5.182	ug/l	97
53) t-1,3-Dichloropropene	10.842	75	44819	4.888	ug/l	97
54) cis-1,3-Dichloropropene	10.313	75	51851	4.923	ug/l	91
55) 1,1,2-Trichloroethane	11.019	97	35863	5.401	ug/l	96
56) Ethyl methacrylate	10.877	69	46031	4.653	ug/l #	75
57) 1,3-Dichloropropane	11.166	76	59349	5.148	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.166	63	94236	27.491	ug/l	93
59) 2-Hexanone	11.201	43	164710	24.920	ug/l	87
60) Dibromochloromethane	11.360	129	32499	4.967	ug/l	96
61) 1,2-Dibromoethane	11.472	107	32328	5.065	ug/l	96
64) Tetrachloroethene	11.101	164	29665	5.042	ug/l	88
65) Chlorobenzene	11.895	112	87530	5.123	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.966	131	30317	4.905	ug/l	95
67) Ethyl Benzene	11.966	91	157016	5.061	ug/l	99
68) m/p-Xylenes	12.071	106	117095	10.032	ug/l	94
69) o-Xylene	12.401	106	58169	5.061	ug/l	90
70) Styrene	12.413	104	88791	4.927	ug/l	95
71) Bromoform	12.577	173	19830	4.714	ug/l #	98
73) Isopropylbenzene	12.701	105	145502	5.196	ug/l	96
74) N-amyl acetate	12.495	43	55942	5.108	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.942	83	48435	5.397	ug/l	98
76) 1,2,3-Trichloropropane	12.995	75	43313m	5.353	ug/l	
77) Bromobenzene	12.983	156	32535	5.250	ug/l	84
78) n-propylbenzene	13.042	91	163093	5.107	ug/l	96
79) 2-Chlorotoluene	13.130	91	106565	5.202	ug/l	95
80) 1,3,5-Trimethylbenzene	13.177	105	119877	5.107	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.736	75	12568	5.116	ug/l #	83
82) 4-Chlorotoluene	13.224	91	102738	5.290	ug/l	92
83) tert-Butylbenzene	13.442	119	109887	5.479	ug/l	95
84) 1,2,4-Trimethylbenzene	13.483	105	119228	5.150	ug/l	96
85) sec-Butylbenzene	13.618	105	145878	5.209	ug/l	96
86) p-Isopropyltoluene	13.736	119	112336	5.015	ug/l	95
87) 1,3-Dichlorobenzene	13.736	146	60102	5.312	ug/l	97
88) 1,4-Dichlorobenzene	13.813	146	60959	5.306	ug/l	92
89) n-Butylbenzene	14.060	91	93914	4.853	ug/l	97
90) Hexachloroethane	14.336	117	20950	5.177	ug/l	91
91) 1,2-Dichlorobenzene	14.107	146	58912	5.140	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.724	75	9102	5.352	ug/l	85
93) 1,2,4-Trichlorobenzene	15.395	180	26820	4.677	ug/l	99
94) Hexachlorobutadiene	15.507	225	15299	5.124	ug/l	98
95) Naphthalene	15.642	128	78656	4.282	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	25845	4.586	ug/l	98

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

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