

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042423\
 Data File : VN077433.D
 Acq On : 24 Apr 2023 12:03
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Apr 25 02:03:13 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	616841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1148703	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1015798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	369948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	42481	5.281	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.560%#		
35) Dibromofluoromethane	8.172	113	36333	5.277	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.560%#		
50) Toluene-d8	10.566	98	130517	4.957	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.920%#		
62) 4-Bromofluorobenzene	12.848	95	39616	4.590	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.180%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.131	85	30017	4.098	ug/l	98
3) Chloromethane	2.372	50	30987	5.011	ug/l #	88
4) Vinyl Chloride	2.525	62	39157	4.754	ug/l	96
5) Bromomethane	2.943	94	37001	4.745	ug/l	97
6) Chloroethane	3.125	64	30526	4.878	ug/l #	88
7) Trichlorofluoromethane	3.501	101	56566	4.672	ug/l	96
8) Diethyl Ether	3.966	74	22083	5.020	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.378	101	34202	4.858	ug/l	99
10) Methyl Iodide	4.601	142	40096	4.672	ug/l	95
11) Tert butyl alcohol	5.537	59	35102	29.543	ug/l	95
12) 1,1-Dichloroethene	4.343	96	34021	4.916	ug/l	87
13) Acrolein	4.190	56	35665	28.007	ug/l	96
14) Allyl chloride	5.031	41	38369	5.013	ug/l #	82
15) Acrylonitrile	5.731	53	72544	24.748	ug/l	97
16) Acetone	4.448	43	65426	25.550	ug/l	99
17) Carbon Disulfide	4.719	76	83394	4.768	ug/l	96
18) Methyl Acetate	5.031	43	49970	5.053	ug/l	98
19) Methyl tert-butyl Ether	5.813	73	111631	4.876	ug/l	98
20) Methylene Chloride	5.284	84	40726	5.015	ug/l	92
21) trans-1,2-Dichloroethene	5.795	96	37341	5.017	ug/l #	79
22) Diisopropyl ether	6.678	45	88257	5.025	ug/l #	97
23) Vinyl Acetate	6.613	43	287724	26.229	ug/l	98
24) 1,1-Dichloroethane	6.572	63	63191	5.082	ug/l	99
25) 2-Butanone	7.489	43	94958	26.145	ug/l #	87
26) 2,2-Dichloropropane	7.495	77	58988	4.893	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	41815	4.743	ug/l	93
28) Bromochloromethane	7.813	49	24672	5.196	ug/l	94
29) Tetrahydrofuran	7.848	42	57918	25.451	ug/l	98
30) Chloroform	7.978	83	69639	4.970	ug/l	92
31) Cyclohexane	8.260	56	63538	4.730	ug/l #	85
32) 1,1,1-Trichloroethane	8.172	97	64057	4.972	ug/l #	83
36) 1,1-Dichloropropene	8.378	75	48848	4.897	ug/l	98
37) Ethyl Acetate	7.560	43	36885	4.866	ug/l	97
38) Carbon Tetrachloride	8.366	117	52713	4.790	ug/l	96
39) Methylcyclohexane	9.601	83	60244	4.584	ug/l	94
40) Benzene	8.613	78	152547	5.020	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	20272	5.135	ug/l	94
42) 1,2-Dichloroethane	8.672	62	52999	5.078	ug/l	99
43) Isopropyl Acetate	8.695	43	67790	5.170	ug/l	98
44) Trichloroethene	9.354	130	39974	5.138	ug/l	90
45) 1,2-Dichloropropane	9.619	63	35396	4.973	ug/l	97
46) Dibromomethane	9.713	93	28513	4.937	ug/l	95
47) Bromodichloromethane	9.889	83	54248	4.856	ug/l	98
48) Methyl methacrylate	9.689	41	28370	4.753	ug/l	93
49) 1,4-Dioxane	9.695	88	16982	113.428	ug/l	96
51) 4-Methyl-2-Pentanone	10.448	43	197918	25.733	ug/l	99
52) Toluene	10.630	92	95517	4.798	ug/l	97
53) t-1,3-Dichloropropene	10.842	75	54504	4.818	ug/l	100
54) cis-1,3-Dichloropropene	10.313	75	61764	5.016	ug/l	94
55) 1,1,2-Trichloroethane	11.019	97	39803	4.972	ug/l	92
56) Ethyl methacrylate	10.877	69	55629	4.960	ug/l	98
57) 1,3-Dichloropropane	11.166	76	65932	5.171	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.166	63	85642	22.574	ug/l	100
59) 2-Hexanone	11.201	43	140934	25.209	ug/l	98
60) Dibromochloromethane	11.366	129	40649	4.893	ug/l	98
61) 1,2-Dibromoethane	11.471	107	40742	4.985	ug/l	98
64) Tetrachloroethene	11.107	164	29497	4.851	ug/l	97
65) Chlorobenzene	11.895	112	103678	4.823	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.966	131	38096	4.871	ug/l	98
67) Ethyl Benzene	11.966	91	186095	4.918	ug/l	98
68) m/p-Xylenes	12.077	106	143213	9.738	ug/l	98
69) o-Xylene	12.401	106	68852	4.760	ug/l	97
70) Styrene	12.413	104	107574	4.755	ug/l	98
71) Bromoform	12.577	173	24972	4.881	ug/l #	97
73) Isopropylbenzene	12.695	105	183572	5.347	ug/l	100
74) N-amyl acetate	12.501	43	52277	5.144	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.942	83	57812	5.360	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	47466m	5.400	ug/l	
77) Bromobenzene	12.983	156	40003	5.347	ug/l	93
78) n-propylbenzene	13.036	91	186276	4.907	ug/l	100
79) 2-Chlorotoluene	13.130	91	119449	5.104	ug/l	98
80) 1,3,5-Trimethylbenzene	13.177	105	123430	4.841	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.742	75	16028m	5.412	ug/l	
82) 4-Chlorotoluene	13.224	91	107865	4.932	ug/l	98
83) tert-Butylbenzene	13.442	119	126759	5.120	ug/l	98
84) 1,2,4-Trimethylbenzene	13.489	105	110517	4.642	ug/l	99
85) sec-Butylbenzene	13.618	105	176225	5.186	ug/l	99
86) p-Isopropyltoluene	13.730	119	126244	4.828	ug/l	99
87) 1,3-Dichlorobenzene	13.742	146	65007	4.886	ug/l	97
88) 1,4-Dichlorobenzene	13.818	146	65202	4.967	ug/l	94
89) n-Butylbenzene	14.060	91	88560	4.377	ug/l	96
90) Hexachloroethane	14.336	117	28645	4.959	ug/l	100
91) 1,2-Dichlorobenzene	14.107	146	64806	4.911	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	10380	5.204	ug/l	91
93) 1,2,4-Trichlorobenzene	15.365	180	12299	5.160	ug/l	97
94) Hexachlorobutadiene	15.465	225	14174	5.315	ug/l	93
95) Naphthalene	15.589	128	37085	4.719	ug/l	97
96) 1,2,3-Trichlorobenzene	15.759	180	11839	5.057	ug/l	95

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

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