

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061724\
 Data File : VN082601.D
 Acq On : 17 Jun 2024 11:17
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/18/2024
 Supervised By : Mahesh Dadoda 06/18/2024

Quant Time: Jun 18 04:43:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:36:51 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	169502	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	288093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	257982	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	112024	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	15404	5.667	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.340%#		
35) Dibromofluoromethane	8.165	113	10489	5.367	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.740%#		
50) Toluene-d8	10.570	98	37229	5.037	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.080%#		
62) 4-Bromofluorobenzene	12.847	95	12213	4.793	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	9.580%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	12171	5.141	ug/l	100
3) Chloromethane	2.365	50	14679	5.173	ug/l	99
4) Vinyl Chloride	2.512	62	13633	5.048	ug/l	96
5) Bromomethane	2.947	94	10816	6.221	ug/l	90
6) Chloroethane	3.112	64	10010	5.198	ug/l	98
7) Trichlorofluoromethane	3.494	101	18761	5.325	ug/l	94
8) Diethyl Ether	3.959	74	6674	5.562	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	11116	5.632	ug/l	96
10) Methyl Iodide	4.588	142	8821	4.692	ug/l	90
11) Tert butyl alcohol	5.530	59	12132	27.271	ug/l	96
12) 1,1-Dichloroethene	4.335	96	9425	4.994	ug/l	86
13) Acrolein	4.183	56	12468	27.512	ug/l	97
14) Allyl chloride	5.018	41	21679	5.873	ug/l	86
15) Acrylonitrile	5.724	53	29928	25.486	ug/l	99
16) Acetone	4.441	43	30423	24.610	ug/l	93
17) Carbon Disulfide	4.700	76	29679	4.952	ug/l	97
18) Methyl Acetate	5.035	43	16723	5.531	ug/l	98
19) Methyl tert-butyl Ether	5.806	73	33096	5.123	ug/l	99
20) Methylene Chloride	5.282	84	11739	5.366	ug/l	95
21) trans-1,2-Dichloroethene	5.788	96	10674	5.322	ug/l	87
22) Diisopropyl ether	6.671	45	38913	5.027	ug/l	93
23) Vinyl Acetate	6.606	43	152331	24.817	ug/l	100
24) 1,1-Dichloroethane	6.571	63	21335	5.088	ug/l	98
25) 2-Butanone	7.488	43	45146	25.693	ug/l	99
26) 2,2-Dichloropropane	7.488	77	18510	5.089	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	12863	5.322	ug/l	94
28) Bromochloromethane	7.812	49	11328	5.920	ug/l	98
29) Tetrahydrofuran	7.847	42	27334	25.411	ug/l	99
30) Chloroform	7.965	83	21486	5.253	ug/l	99
31) Cyclohexane	8.259	56	22841	5.823	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	19839	5.349	ug/l #	52
36) 1,1-Dichloropropene	8.371	75	14703	5.033	ug/l	98
37) Ethyl Acetate	7.565	43	19323	5.192	ug/l	96
38) Carbon Tetrachloride	8.365	117	17072	5.185	ug/l #	87
39) Methylcyclohexane	9.606	83	14989	4.875	ug/l	88
40) Benzene	8.606	78	45488	5.039	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	9425	4.954	ug/l	95
42) 1,2-Dichloroethane	8.676	62	17739	5.166	ug/l	99
43) Isopropyl Acetate	8.688	43	34782m	5.052	ug/l	
44) Trichloroethene	9.353	130	10598	5.056	ug/l	99
45) 1,2-Dichloropropane	9.623	63	11205	4.822	ug/l	93
46) Dibromomethane	9.712	93	8026	5.095	ug/l	98
47) Bromodichloromethane	9.888	83	17218	5.127	ug/l	93
48) Methyl methacrylate	9.688	41	13917	4.854	ug/l	98
49) 1,4-Dioxane	9.700	88	4716	105.156	ug/l #	95
51) 4-Methyl-2-Pentanone	10.447	43	88116	24.701	ug/l	99
52) Toluene	10.635	92	26576	4.858	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	16748	4.879	ug/l	91
54) cis-1,3-Dichloropropene	10.317	75	17033	4.798	ug/l	97
55) 1,1,2-Trichloroethane	11.017	97	10130	5.116	ug/l	95
56) Ethyl methacrylate	10.876	69	15490	4.723	ug/l	96
57) 1,3-Dichloropropane	11.164	76	18208	4.974	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.165	63	40584	23.393	ug/l	100
59) 2-Hexanone	11.200	43	64206	23.681	ug/l	96
60) Dibromochloromethane	11.359	129	12203	5.048	ug/l	96
61) 1,2-Dibromoethane	11.470	107	10650	5.101	ug/l	95
64) Tetrachloroethene	11.106	164	10518	4.945	ug/l	94
65) Chlorobenzene	11.894	112	29675	5.016	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.964	131	10452	4.955	ug/l	92
67) Ethyl Benzene	11.970	91	48818	4.843	ug/l	96
68) m/p-Xylenes	12.070	106	35391	9.437	ug/l	99
69) o-Xylene	12.400	106	16681	4.734	ug/l	99
70) Styrene	12.411	104	27379	4.578	ug/l	98
71) Bromoform	12.576	173	8413	5.044	ug/l #	99
73) Isopropylbenzene	12.700	105	42582	5.006	ug/l	99
74) N-amyl acetate	12.500	43	22093	4.866	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	15263	5.501	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	14518m	5.598	ug/l	
77) Bromobenzene	12.982	156	10977	5.013	ug/l	93
78) n-propylbenzene	13.035	91	48625	4.832	ug/l	98
79) 2-Chlorotoluene	13.123	91	31546	4.999	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	34046	4.932	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	6369	5.671	ug/l	89
82) 4-Chlorotoluene	13.223	91	32265	5.119	ug/l	97
83) tert-Butylbenzene	13.441	119	28404	4.830	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	33736	4.872	ug/l	98
85) sec-Butylbenzene	13.617	105	40083	4.800	ug/l	98
86) p-Isopropyltoluene	13.729	119	30981	4.607	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	20026	5.044	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	20786	5.210	ug/l	95
89) n-Butylbenzene	14.058	91	27618	4.630	ug/l	99
90) Hexachloroethane	14.335	117	7460	5.098	ug/l	99
91) 1,2-Dichlorobenzene	14.111	146	20316	5.241	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	3201	5.451	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	9734	4.762	ug/l	99
94) Hexachlorobutadiene	15.499	225	4939	4.901	ug/l	99
95) Naphthalene	15.641	128	29274	4.655	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	9840	4.724	ug/l	97

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

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