

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061724\
 Data File : VN082599.D
 Acq On : 17 Jun 2024 10:28
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

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

Quant Time: Jun 18 04:40:10 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	8.224	168	189277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	316015	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	285313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	135715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	60870	20.054	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	40.100%#		
35) Dibromofluoromethane	8.165	113	42641	19.890	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.780%#		
50) Toluene-d8	10.571	98	160076	19.745	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.500%#		
62) 4-Bromofluorobenzene	12.853	95	55106	19.716	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	39.440%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	50177	18.982	ug/l	99
3) Chloromethane	2.359	50	59705	18.841	ug/l	98
4) Vinyl Chloride	2.512	62	59152	19.614	ug/l	100
5) Bromomethane	2.942	94	38338	19.748	ug/l	90
6) Chloroethane	3.112	64	39737	18.478	ug/l	92
7) Trichlorofluoromethane	3.489	101	75955	19.305	ug/l	95
8) Diethyl Ether	3.953	74	26528	19.798	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	42829	19.434	ug/l	99
10) Methyl Iodide	4.583	142	41241	19.646	ug/l	95
11) Tert butyl alcohol	5.530	59	49781	100.209	ug/l	99
12) 1,1-Dichloroethene	4.336	96	39943	18.953	ug/l	96
13) Acrolein	4.177	56	46722	92.326	ug/l	99
14) Allyl chloride	5.018	41	81281	19.721	ug/l	97
15) Acrylonitrile	5.724	53	130405	99.447	ug/l	99
16) Acetone	4.430	43	123384	89.381	ug/l	98
17) Carbon Disulfide	4.712	76	126959	18.970	ug/l	97
18) Methyl Acetate	5.024	43	63749	18.882	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	145654	20.191	ug/l	97
20) Methylene Chloride	5.277	84	47095	19.277	ug/l	91
21) trans-1,2-Dichloroethene	5.783	96	43752	19.534	ug/l	96
22) Diisopropyl ether	6.671	45	172817	19.993	ug/l	95
23) Vinyl Acetate	6.606	43	714363	104.219	ug/l	99
24) 1,1-Dichloroethane	6.565	63	91681	19.580	ug/l	99
25) 2-Butanone	7.488	43	189632	96.647	ug/l	99
26) 2,2-Dichloropropane	7.488	77	79851	19.658	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	51653	19.140	ug/l	100
28) Bromochloromethane	7.818	49	41906	19.611	ug/l	98
29) Tetrahydrofuran	7.847	42	119685	99.642	ug/l	99
30) Chloroform	7.971	83	89189	19.527	ug/l	98
31) Cyclohexane	8.259	56	83616	19.088	ug/l	92
32) 1,1,1-Trichloroethane	8.171	97	81289	19.626	ug/l	98
36) 1,1-Dichloropropene	8.377	75	63096	19.688	ug/l	100
37) Ethyl Acetate	7.565	43	77516	18.989	ug/l	98
38) Carbon Tetrachloride	8.365	117	69626	19.278	ug/l	99
39) Methylcyclohexane	9.606	83	65892	19.537	ug/l	94
40) Benzene	8.606	78	192654	19.455	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	40791	19.548	ug/l	98
42) 1,2-Dichloroethane	8.671	62	74384	19.748	ug/l	100
43) Isopropyl Acetate	8.694	43	140152	18.558	ug/l	100
44) Trichloroethene	9.353	130	44144	19.198	ug/l	96
45) 1,2-Dichloropropane	9.624	63	50792	19.927	ug/l	99
46) Dibromomethane	9.712	93	33391	19.326	ug/l	98
47) Bromodichloromethane	9.888	83	73716	20.012	ug/l	99
48) Methyl methacrylate	9.682	41	61978	19.707	ug/l	99
49) 1,4-Dioxane	9.700	88	19960	405.740	ug/l	96
51) 4-Methyl-2-Pentanone	10.447	43	394081	100.709	ug/l	100
52) Toluene	10.629	92	119252	19.872	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	74745	19.849	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	79876	20.512	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	44407	20.445	ug/l	96
56) Ethyl methacrylate	10.876	69	72510	20.156	ug/l	99
57) 1,3-Dichloropropane	11.165	76	79225	19.730	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	191119	100.427	ug/l	99
59) 2-Hexanone	11.200	43	297262	99.950	ug/l	100
60) Dibromochloromethane	11.365	129	52687	19.871	ug/l	99
61) 1,2-Dibromoethane	11.471	107	45057	19.675	ug/l	97
64) Tetrachloroethene	11.106	164	44812	19.049	ug/l	92
65) Chlorobenzene	11.894	112	128137	19.585	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	46224	19.813	ug/l	99
67) Ethyl Benzene	11.965	91	222725	19.978	ug/l	99
68) m/p-Xylenes	12.076	106	170831	41.189	ug/l	99
69) o-Xylene	12.400	106	79540	20.413	ug/l	99
70) Styrene	12.412	104	136072	20.575	ug/l	99
71) Bromoform	12.582	173	36117	19.581	ug/l #	97
73) Isopropylbenzene	12.700	105	201962	19.597	ug/l	98
74) N-amyl acetate	12.494	43	109938	19.989	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	64117	19.074	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	64068m	20.392	ug/l	
77) Bromobenzene	12.982	156	51044	19.243	ug/l	97
78) n-propylbenzene	13.035	91	244117	20.026	ug/l	100
79) 2-Chlorotoluene	13.129	91	152660	19.970	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	172897	20.673	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	25390	18.662	ug/l	97
82) 4-Chlorotoluene	13.223	91	152737	20.001	ug/l	100
83) tert-Butylbenzene	13.441	119	143324	20.119	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	173666	20.700	ug/l	98
85) sec-Butylbenzene	13.617	105	204867	20.249	ug/l	99
86) p-Isopropyltoluene	13.729	119	168719	20.708	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	94346	19.616	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	93987	19.446	ug/l	99
89) n-Butylbenzene	14.059	91	143451	19.849	ug/l	99
90) Hexachloroethane	14.335	117	34185	19.284	ug/l	98
91) 1,2-Dichlorobenzene	14.112	146	89395	19.036	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	13435	18.885	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	48232	19.477	ug/l	99
94) Hexachlorobutadiene	15.506	225	22468	18.402	ug/l	99
95) Naphthalene	15.641	128	153603	20.162	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	49002	19.417	ug/l	98

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

