

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081524\
 Data File : VN083320.D
 Acq On : 15 Aug 2024 10:26
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/16/2024
 Supervised By : Mahesh Dadoda 08/16/2024

Quant Time: Aug 16 01:45:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	158703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	276821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	243396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119099	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	135391	59.935	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.880%			
35) Dibromofluoromethane	8.165	113	98232	56.852	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.700%			
50) Toluene-d8	10.565	98	360764	55.973	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.940%			
62) 4-Bromofluorobenzene	12.847	95	140480	55.907	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.820%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	87035	48.361	ug/l	95
3) Chloromethane	2.365	50	92639	50.278	ug/l	95
4) Vinyl Chloride	2.512	62	100546	53.479	ug/l	99
5) Bromomethane	2.947	94	56597	48.514	ug/l	90
6) Chloroethane	3.112	64	66640	56.654	ug/l	93
7) Trichlorofluoromethane	3.495	101	169395	54.540	ug/l	95
8) Diethyl Ether	3.959	74	61755	53.434	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.371	101	91718	53.562	ug/l	99
10) Methyl Iodide	4.583	142	106214	47.153	ug/l	98
11) Tert butyl alcohol	5.524	59	108997	232.178	ug/l	100
12) 1,1-Dichloroethene	4.336	96	87167	49.548	ug/l	91
13) Acrolein	4.183	56	48758	159.359	ug/l	98
14) Allyl chloride	5.024	41	151636	45.611	ug/l	93
15) Acrylonitrile	5.718	53	266242	275.756	ug/l	98
16) Acetone	4.430	43	234312	265.082	ug/l	99
17) Carbon Disulfide	4.712	76	219711	42.682	ug/l	98
18) Methyl Acetate	5.030	43	149349	56.709	ug/l	92
19) Methyl tert-butyl Ether	5.800	73	340332	53.596	ug/l	99
20) Methylene Chloride	5.277	84	101051	49.673	ug/l	87
21) trans-1,2-Dichloroethene	5.783	96	90959	50.025	ug/l	94
22) Diisopropyl ether	6.677	45	348476	55.763	ug/l	98
23) Vinyl Acetate	6.600	43	1766057	275.716	ug/l	96
24) 1,1-Dichloroethane	6.571	63	187978	55.186	ug/l	98
25) 2-Butanone	7.482	43	363536	267.850	ug/l #	90
26) 2,2-Dichloropropane	7.488	77	166698	52.697	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	116573	53.130	ug/l	93
28) Bromochloromethane	7.818	49	74260	53.346	ug/l	87
29) Tetrahydrofuran	7.841	42	235814	268.776	ug/l #	88
30) Chloroform	7.965	83	202991	57.361	ug/l	98
31) Cyclohexane	8.259	56	157926	47.175	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	184643	55.123	ug/l	95
36) 1,1-Dichloropropene	8.371	75	134692	51.532	ug/l	99
37) Ethyl Acetate	7.559	43	147225	50.307	ug/l	95
38) Carbon Tetrachloride	8.365	117	156122	53.032	ug/l	99
39) Methylcyclohexane	9.600	83	155461	48.424	ug/l	95
40) Benzene	8.606	78	418665	53.768	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	84356	50.695	ug/l	95
42) 1,2-Dichloroethane	8.671	62	157902	55.669	ug/l	99
43) Isopropyl Acetate	8.688	43	261204	51.570	ug/l #	94
44) Trichloroethene	9.353	130	96246	51.931	ug/l	91
45) 1,2-Dichloropropane	9.618	63	103606	56.055	ug/l	100
46) Dibromomethane	9.712	93	74403	56.240	ug/l	99
47) Bromodichloromethane	9.888	83	163778	55.135	ug/l	100
48) Methyl methacrylate	9.682	41	127288	52.609	ug/l	92
49) 1,4-Dioxane	9.694	88	47709	1092.978	ug/l	95
51) 4-Methyl-2-Pentanone	10.447	43	774071	279.705	ug/l	93
52) Toluene	10.629	92	265973	54.062	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	165832	54.348	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	173411	53.431	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	100945	57.254	ug/l	98
56) Ethyl methacrylate	10.876	69	178528	53.712	ug/l #	85
57) 1,3-Dichloropropane	11.165	76	178626	56.840	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	359755	256.060	ug/l	97
59) 2-Hexanone	11.194	43	578306	270.109	ug/l	93
60) Dibromochloromethane	11.359	129	121788	57.133	ug/l	96
61) 1,2-Dibromoethane	11.470	107	101462	54.781	ug/l	98
64) Tetrachloroethene	11.106	164	81709	50.689	ug/l	93
65) Chlorobenzene	11.888	112	285749	53.126	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	103349	54.480	ug/l	99
67) Ethyl Benzene	11.965	91	517688	52.466	ug/l	99
68) m/p-Xylenes	12.070	106	389090	105.269	ug/l	98
69) o-Xylene	12.394	106	193789	53.160	ug/l	99
70) Styrene	12.412	104	334120	54.571	ug/l	98
71) Bromoform	12.576	173	77840	54.165	ug/l #	100
73) Isopropylbenzene	12.694	105	496073	49.798	ug/l	100
74) N-amyl acetate	12.494	43	231110	47.430	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.935	83	147860	52.479	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	130143m	49.788	ug/l	
77) Bromobenzene	12.982	156	114086	51.555	ug/l	96
78) n-propylbenzene	13.035	91	584600	50.965	ug/l	100
79) 2-Chlorotoluene	13.123	91	370358	50.926	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	425132	50.975	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	60320	50.197	ug/l	94
82) 4-Chlorotoluene	13.223	91	368395	50.502	ug/l	98
83) tert-Butylbenzene	13.441	119	373924	50.627	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	434391	51.683	ug/l	100
85) sec-Butylbenzene	13.617	105	503295	49.940	ug/l	100
86) p-Isopropyltoluene	13.729	119	427433	51.367	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	212847	51.117	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	214322	51.055	ug/l	98
89) n-Butylbenzene	14.059	91	372931	51.722	ug/l	99
90) Hexachloroethane	14.335	117	77318	48.094	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	206505	51.250	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	33039	48.324	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	113702	50.369	ug/l	98
94) Hexachlorobutadiene	15.500	225	44654	44.479	ug/l	99
95) Naphthalene	15.641	128	397928	49.765	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	111656	49.988	ug/l	97

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

