

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071724\
 Data File : VN082952.D
 Acq On : 17 Jul 2024 10:12
 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 07/18/2024
 Supervised By : Mahesh Dadoda 07/18/2024

Quant Time: Jul 18 05:19:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	98968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	167805	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	159206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	82089	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	71803	51.756	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.520%			
35) Dibromofluoromethane	8.171	113	56967	52.906	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.820%			
50) Toluene-d8	10.571	98	214739	53.995	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.000%			
62) 4-Bromofluorobenzene	12.853	95	75288	52.702	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 105.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	82289	64.223	ug/l	99
3) Chloromethane	2.365	50	65939	54.266	ug/l	99
4) Vinyl Chloride	2.512	62	75187	58.916	ug/l	98
5) Bromomethane	2.947	94	42549	46.243	ug/l	92
6) Chloroethane	3.118	64	48083	55.059	ug/l	99
7) Trichlorofluoromethane	3.495	101	91215	49.695	ug/l	100
8) Diethyl Ether	3.965	74	29371	46.756	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.371	101	54190	52.164	ug/l	100
10) Methyl Iodide	4.589	142	51520	48.372	ug/l	95
11) Tert butyl alcohol	5.524	59	43549	186.633	ug/l	100
12) 1,1-Dichloroethene	4.342	96	48239	47.747	ug/l	92
13) Acrolein	4.177	56	36925	219.184	ug/l	99
14) Allyl chloride	5.024	41	68226	43.311	ug/l #	94
15) Acrylonitrile	5.718	53	133946	249.781	ug/l	99
16) Acetone	4.424	43	108263	221.649	ug/l	94
17) Carbon Disulfide	4.712	76	134300	44.486	ug/l	99
18) Methyl Acetate	5.024	43	69809	54.012	ug/l #	91
19) Methyl tert-butyl Ether	5.794	73	173255	49.714	ug/l	100
20) Methylene Chloride	5.271	84	58507	49.599	ug/l	83
21) trans-1,2-Dichloroethene	5.783	96	52801	48.233	ug/l	89
22) Diisopropyl ether	6.671	45	180794	54.860	ug/l	96
23) Vinyl Acetate	6.606	43	695659	265.809	ug/l #	94
24) 1,1-Dichloroethane	6.571	63	106644	53.348	ug/l	99
25) 2-Butanone	7.482	43	180577	244.842	ug/l #	89
26) 2,2-Dichloropropane	7.488	77	100593	54.122	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	66255	51.697	ug/l	90
28) Bromochloromethane	7.812	49	51367	59.898	ug/l #	83
29) Tetrahydrofuran	7.841	42	119765	257.942	ug/l #	86
30) Chloroform	7.965	83	116923	55.134	ug/l	99
31) Cyclohexane	8.259	56	84367	46.515	ug/l	90
32) 1,1,1-Trichloroethane	8.171	97	103521	52.576	ug/l	97
36) 1,1-Dichloropropene	8.377	75	79070	53.261	ug/l	99
37) Ethyl Acetate	7.565	43	73683	48.750	ug/l	95
38) Carbon Tetrachloride	8.365	117	92515	51.757	ug/l	98
39) Methylcyclohexane	9.600	83	75998	47.392	ug/l	94
40) Benzene	8.606	78	246288	53.932	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	40076	49.217	ug/l	91
42) 1,2-Dichloroethane	8.671	62	88700	53.955	ug/l	97
43) Isopropyl Acetate	8.688	43	145195	51.007	ug/l	96
44) Trichloroethene	9.353	130	56449	48.249	ug/l	95
45) 1,2-Dichloropropane	9.624	63	61286	57.485	ug/l	99
46) Dibromomethane	9.712	93	45429	54.696	ug/l	99
47) Bromodichloromethane	9.888	83	94633	55.143	ug/l	99
48) Methyl methacrylate	9.682	41	60242	50.832	ug/l #	86
49) 1,4-Dioxane	9.694	88	23704	917.716	ug/l	93
51) 4-Methyl-2-Pentanone	10.447	43	410549	273.991	ug/l	94
52) Toluene	10.629	92	158688	55.629	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	95551	54.047	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	100130	53.507	ug/l #	89
55) 1,1,2-Trichloroethane	11.018	97	60807	57.968	ug/l	99
56) Ethyl methacrylate	10.876	69	92440	56.643	ug/l	86
57) 1,3-Dichloropropane	11.165	76	103581	55.785	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	252394	301.398	ug/l	95
59) 2-Hexanone	11.200	43	309332	277.667	ug/l	93
60) Dibromochloromethane	11.359	129	74224	55.555	ug/l	99
61) 1,2-Dibromoethane	11.470	107	61683	55.373	ug/l	100
64) Tetrachloroethene	11.106	164	56686	47.724	ug/l	96
65) Chlorobenzene	11.894	112	175131	51.335	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	64363	53.040	ug/l	99
67) Ethyl Benzene	11.965	91	302951	52.836	ug/l	98
68) m/p-Xylenes	12.070	106	238124	110.002	ug/l	97
69) o-Xylene	12.400	106	112111	54.051	ug/l	94
70) Styrene	12.412	104	200257	58.432	ug/l	98
71) Bromoform	12.582	173	50243	52.648	ug/l #	98
73) Isopropylbenzene	12.700	105	285055	47.788	ug/l	99
74) N-amyl acetate	12.494	43	117662	47.688	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.941	83	88817	49.717	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	68376m	48.313	ug/l	
77) Bromobenzene	12.982	156	72459	47.087	ug/l	95
78) n-propylbenzene	13.035	91	345009	50.305	ug/l	99
79) 2-Chlorotoluene	13.123	91	207806	47.555	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	242953	50.388	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	33996	47.242	ug/l	98
82) 4-Chlorotoluene	13.223	91	211359	48.866	ug/l	98
83) tert-Butylbenzene	13.441	119	201065	47.037	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	248233	50.512	ug/l	97
85) sec-Butylbenzene	13.617	105	288814	49.999	ug/l	99
86) p-Isopropyltoluene	13.729	119	241791	50.170	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	137646	49.515	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	135472	47.122	ug/l	98
89) n-Butylbenzene	14.059	91	202785	49.114	ug/l	99
90) Hexachloroethane	14.335	117	47832	46.905	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	131512	48.725	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	17587	42.553	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	62724	43.143	ug/l	100
94) Hexachlorobutadiene	15.506	225	27664	42.922	ug/l	98
95) Naphthalene	15.641	128	211690	42.511	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	64107	42.885	ug/l	99

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

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