

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080924\
 Data File : VN083170.D
 Acq On : 09 Aug 2024 09:52
 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 08/10/2024
 Supervised By : Mahesh Dadoda 08/12/2024

Quant Time: Aug 10 00:50:32 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	187493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	318080	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	279015	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	134281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	143908	53.923	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.840%			
35) Dibromofluoromethane	8.165	113	105088	52.931	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.860%			
50) Toluene-d8	10.565	98	398748	53.841	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.680%			
62) 4-Bromofluorobenzene	12.847	95	157050	54.394	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 108.780%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	102325	48.126	ug/l	96
3) Chloromethane	2.359	50	97240	44.671	ug/l	98
4) Vinyl Chloride	2.512	62	103469	46.583	ug/l	98
5) Bromomethane	2.942	94	61128	44.352	ug/l	94
6) Chloroethane	3.118	64	62382	44.891	ug/l	100
7) Trichlorofluoromethane	3.495	101	177243	48.304	ug/l	99
8) Diethyl Ether	3.959	74	64108	46.952	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.371	101	96924	47.911	ug/l	99
10) Methyl Iodide	4.589	142	125578	47.189	ug/l	98
11) Tert butyl alcohol	5.518	59	120208	216.741	ug/l	99
12) 1,1-Dichloroethene	4.336	96	94229	45.337	ug/l	91
13) Acrolein	4.177	56	110956	306.960	ug/l	97
14) Allyl chloride	5.024	41	163155	41.540	ug/l	95
15) Acrylonitrile	5.718	53	262092	229.775	ug/l	99
16) Acetone	4.424	43	282921	270.926	ug/l	97
17) Carbon Disulfide	4.712	76	256030	42.100	ug/l	100
18) Methyl Acetate	5.024	43	142974	45.953	ug/l	92
19) Methyl tert-butyl Ether	5.794	73	358532	47.792	ug/l	97
20) Methylene Chloride	5.277	84	102568	42.677	ug/l	88
21) trans-1,2-Dichloroethene	5.783	96	98197	45.713	ug/l	93
22) Diisopropyl ether	6.671	45	353730	47.912	ug/l #	93
23) Vinyl Acetate	6.600	43	1820051m	240.514	ug/l	
24) 1,1-Dichloroethane	6.571	63	192523	47.841	ug/l	99
25) 2-Butanone	7.482	43	388282	242.154	ug/l	92
26) 2,2-Dichloropropane	7.488	77	188453	50.427	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	120293	46.407	ug/l	95
28) Bromochloromethane	7.812	49	82082	49.911	ug/l	89
29) Tetrahydrofuran	7.841	42	245160	236.521	ug/l	90
30) Chloroform	7.965	83	203965	48.786	ug/l	99
31) Cyclohexane	8.259	56	168591	42.628	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	191908	48.494	ug/l	96
36) 1,1-Dichloropropene	8.371	75	144094	47.978	ug/l	99
37) Ethyl Acetate	7.559	43	150714	44.819	ug/l #	95
38) Carbon Tetrachloride	8.365	117	167762	49.594	ug/l	98
39) Methylcyclohexane	9.600	83	175772	47.649	ug/l	94
40) Benzene	8.606	78	434376	48.550	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	86023	44.991	ug/l	96
42) 1,2-Dichloroethane	8.671	62	162981	50.006	ug/l	98
43) Isopropyl Acetate	8.688	43	273598	46.697	ug/l #	94
44) Trichloroethene	9.353	130	104683	49.156	ug/l	93
45) 1,2-Dichloropropane	9.624	63	105316	49.589	ug/l	99
46) Dibromomethane	9.712	93	76295	50.189	ug/l	98
47) Bromodichloromethane	9.888	83	168321	49.314	ug/l	98
48) Methyl methacrylate	9.682	41	132095	47.514	ug/l	94
49) 1,4-Dioxane	9.700	88	46092	918.966	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	779928	245.266	ug/l	93
52) Toluene	10.629	92	278760	49.311	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	177591	50.652	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	183416	49.183	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	102539	50.614	ug/l	97
56) Ethyl methacrylate	10.876	69	183350	48.008	ug/l	88
57) 1,3-Dichloropropane	11.165	76	178252	49.364	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	405564	251.221	ug/l	96
59) 2-Hexanone	11.194	43	608297	247.263	ug/l	94
60) Dibromochloromethane	11.359	129	124749	50.931	ug/l	98
61) 1,2-Dibromoethane	11.470	107	105075	49.373	ug/l	99
64) Tetrachloroethene	11.106	164	89922	48.663	ug/l	96
65) Chlorobenzene	11.894	112	296087	48.020	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	105107	48.334	ug/l	99
67) Ethyl Benzene	11.965	91	550120	48.635	ug/l	99
68) m/p-Xylenes	12.070	106	411285	97.068	ug/l	97
69) o-Xylene	12.400	106	202840	48.539	ug/l	99
70) Styrene	12.412	104	342617	48.815	ug/l	98
71) Bromoform	12.582	173	82618	50.150	ug/l #	100
73) Isopropylbenzene	12.694	105	529605	47.153	ug/l	100
74) N-amyl acetate	12.494	43	245738	44.730	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	145685	45.861	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	135860m	46.099	ug/l	
77) Bromobenzene	12.982	156	118767	47.602	ug/l	96
78) n-propylbenzene	13.035	91	625452	48.361	ug/l	100
79) 2-Chlorotoluene	13.123	91	385690	47.039	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	453651	48.244	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	59760	44.108	ug/l	97
82) 4-Chlorotoluene	13.223	91	386103	46.945	ug/l	98
83) tert-Butylbenzene	13.441	119	392945	47.187	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	452072	47.705	ug/l	100
85) sec-Butylbenzene	13.617	105	546344	48.082	ug/l	100
86) p-Isopropyltoluene	13.729	119	459461	48.973	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	221899	47.266	ug/l	98
88) 1,4-Dichlorobenzene	13.811	146	221034	46.701	ug/l	97
89) n-Butylbenzene	14.059	91	406104	49.955	ug/l	98
90) Hexachloroethane	14.335	117	86552	47.751	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	215096	47.346	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	34710	45.028	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	119024	46.765	ug/l	96
94) Hexachlorobutadiene	15.500	225	50022	44.193	ug/l	98
95) Naphthalene	15.641	128	413795	45.898	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	117850	46.796	ug/l	98

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

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