

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082624\
 Data File : VN083472.D
 Acq On : 26 Aug 2024 09:56
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/27/2024
 Supervised By : Mahesh Dadoda 08/27/2024

Quant Time: Aug 27 01:49:40 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	8.218	168	145377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	248724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	219575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	113050	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127726	61.725	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 123.440%			
35) Dibromofluoromethane	8.165	113	95030	61.212	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 122.420%			
50) Toluene-d8	10.565	98	335082	57.861	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 115.720%#			
62) 4-Bromofluorobenzene	12.847	95	134780	59.698	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 119.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	78488	47.609	ug/l	99
3) Chloromethane	2.360	50	88847	52.640	ug/l	98
4) Vinyl Chloride	2.513	62	92991	53.994	ug/l	97
5) Bromomethane	2.901	94	48327	45.223	ug/l	93
6) Chloroethane	3.071	64	63803	59.215	ug/l	98
7) Trichlorofluoromethane	3.471	101	162685	57.181	ug/l	100
8) Diethyl Ether	3.954	74	59919	56.597	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.354	101	89190	56.860	ug/l	99
10) Methyl Iodide	4.571	142	116707	56.561	ug/l	97
11) Tert butyl alcohol	5.536	59	104364	242.688	ug/l	98
12) 1,1-Dichloroethene	4.330	96	84750	52.590	ug/l	92
13) Acrolein	4.171	56	82277	293.561	ug/l	99
14) Allyl chloride	5.018	41	160033	52.549	ug/l	88
15) Acrylonitrile	5.718	53	236144	267.002	ug/l	99
16) Acetone	4.424	43	243096	300.229	ug/l	97
17) Carbon Disulfide	4.695	76	227707	48.290	ug/l	100
18) Methyl Acetate	5.018	43	124454	51.588	ug/l	91
19) Methyl tert-butyl Ether	5.795	73	324045	55.709	ug/l	99
20) Methylene Chloride	5.265	84	99254	53.262	ug/l	90
21) trans-1,2-Dichloroethene	5.783	96	89702	53.856	ug/l	92
22) Diisopropyl ether	6.671	45	332583	58.098	ug/l	96
23) Vinyl Acetate	6.601	43	1714944	292.278	ug/l	96
24) 1,1-Dichloroethane	6.565	63	182263	58.413	ug/l	99
25) 2-Butanone	7.483	43	330199	265.589	ug/l	93
26) 2,2-Dichloropropane	7.483	77	167693	57.871	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	111694	55.572	ug/l	95
28) Bromochloromethane	7.812	49	69706	54.665	ug/l	87
29) Tetrahydrofuran	7.836	42	206576	257.033	ug/l	89
30) Chloroform	7.959	83	190707	58.830	ug/l	97
31) Cyclohexane	8.253	56	155550	50.725	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	176706	57.589	ug/l	97
36) 1,1-Dichloropropene	8.365	75	131154	55.846	ug/l	99
37) Ethyl Acetate	7.559	43	135088	51.374	ug/l	95
38) Carbon Tetrachloride	8.359	117	153215	57.923	ug/l	98
39) Methylcyclohexane	9.600	83	156413	54.225	ug/l	96
40) Benzene	8.600	78	402856	57.582	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	76076	50.884	ug/l	96
42) 1,2-Dichloroethane	8.671	62	151946	59.620	ug/l	98
43) Isopropyl Acetate	8.689	43	238892	52.560	ug/l #	93
44) Trichloroethene	9.353	130	93410	56.094	ug/l	94
45) 1,2-Dichloropropane	9.618	63	99502	59.916	ug/l	99
46) Dibromomethane	9.706	93	71321	60.000	ug/l	98
47) Bromodichloromethane	9.889	83	156216	58.530	ug/l	99
48) Methyl methacrylate	9.677	41	112206	51.615	ug/l	94
49) 1,4-Dioxane	9.694	88	38491	981.413	ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	660020	265.435	ug/l	93
52) Toluene	10.630	92	255234	57.739	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	160361	58.491	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	167787	57.538	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	93585	59.076	ug/l	98
56) Ethyl methacrylate	10.877	69	162844	54.528	ug/l	88
57) 1,3-Dichloropropane	11.165	76	165058	58.456	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	294430	233.237	ug/l	96
59) 2-Hexanone	11.194	43	500002	259.917	ug/l	93
60) Dibromochloromethane	11.359	129	114694	59.883	ug/l	99
61) 1,2-Dibromoethane	11.471	107	96335	57.888	ug/l	98
64) Tetrachloroethene	11.106	164	79714	54.817	ug/l	97
65) Chlorobenzene	11.888	112	269562	55.553	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	96248	56.241	ug/l	99
67) Ethyl Benzene	11.965	91	496004	55.722	ug/l	100
68) m/p-Xylenes	12.071	106	372878	111.827	ug/l	98
69) o-Xylene	12.394	106	181398	55.159	ug/l	99
70) Styrene	12.412	104	310302	56.179	ug/l	98
71) Bromoform	12.577	173	74050	57.118	ug/l #	100
73) Isopropylbenzene	12.694	105	480474	50.813	ug/l	99
74) N-amyl acetate	12.494	43	211412	45.709	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	138315	51.718	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	120548m	48.585	ug/l	
77) Bromobenzene	12.982	156	109760	52.254	ug/l	98
78) n-propylbenzene	13.035	91	546936	50.232	ug/l	99
79) 2-Chlorotoluene	13.124	91	344218	49.865	ug/l	97
80) 1,3,5-Trimethylbenzene	13.171	105	405557	51.230	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	51348	45.017	ug/l	96
82) 4-Chlorotoluene	13.224	91	352628	50.927	ug/l	98
83) tert-Butylbenzene	13.441	119	353735	50.456	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	417054	52.275	ug/l	100
85) sec-Butylbenzene	13.618	105	481013	50.283	ug/l	100
86) p-Isopropyltoluene	13.729	119	410416	51.961	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	209156	52.918	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	208376	52.295	ug/l	98
89) n-Butylbenzene	14.053	91	356960	52.156	ug/l	99
90) Hexachloroethane	14.335	117	79182	51.889	ug/l	94
91) 1,2-Dichlorobenzene	14.106	146	207788	54.327	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	29765	45.865	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	109080	50.907	ug/l	98
94) Hexachlorobutadiene	15.500	225	45256	47.491	ug/l	98
95) Naphthalene	15.641	128	363089	47.837	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	109862	51.817	ug/l	98

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

