

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102722\
 Data File : VN075031.D
 Acq On : 27 Oct 2022 10:30
 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 10/28/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 28 02:12:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	112242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	205986	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	194773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	105064	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	77497	51.244	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.480%	
35) Dibromofluoromethane	8.171	113	61532	50.885	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.760%	
50) Toluene-d8	10.570	98	257016	54.783	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.560%	
62) 4-Bromofluorobenzene	12.853	95	96534	58.575	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 117.140%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	74940	51.324	ug/l	95
3) Chloromethane	2.377	50	70574	45.504	ug/l	97
4) Vinyl Chloride	2.524	62	108257	48.929	ug/l	94
5) Bromomethane	2.924	94	89985	57.549	ug/l	96
6) Chloroethane	3.106	64	75347	47.491	ug/l	99
7) Trichlorofluoromethane	3.494	101	109394	48.400	ug/l	100
8) Diethyl Ether	3.971	74	38991	47.297	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	61912	49.601	ug/l	98
10) Methyl Iodide	4.594	142	89682	48.262	ug/l	98
11) Tert butyl alcohol	5.541	59	75633	214.452	ug/l	99
12) 1,1-Dichloroethene	4.353	96	57019	47.924	ug/l	96
13) Acrolein	4.194	56	60485	209.673	ug/l	97
14) Allyl chloride	5.030	41	86336	49.684	ug/l	99
15) Acrylonitrile	5.730	53	177844	238.713	ug/l	100
16) Acetone	4.441	43	188283	294.028	ug/l	100
17) Carbon Disulfide	4.718	76	146178	48.856	ug/l	97
18) Methyl Acetate	5.036	43	97853	46.781	ug/l	97
19) Methyl tert-butyl Ether	5.806	73	223861	50.623	ug/l	97
20) Methylene Chloride	5.283	84	67469	47.255	ug/l	97
21) trans-1,2-Dichloroethene	5.794	96	64643	49.622	ug/l	97
22) Diisopropyl ether	6.683	45	193173	50.373	ug/l	99
23) Vinyl Acetate	6.618	43	815430m	254.641	ug/l	
24) 1,1-Dichloroethane	6.577	63	122558	50.532	ug/l	97
25) 2-Butanone	7.488	43	256025	254.190	ug/l	98
26) 2,2-Dichloropropane	7.494	77	117221	52.537	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	78035	50.161	ug/l	97
28) Bromochloromethane	7.818	49	50308	49.206	ug/l	98
29) Tetrahydrofuran	7.841	42	159010	244.309	ug/l	99
30) Chloroform	7.971	83	136131	51.696	ug/l	95
31) Cyclohexane	8.259	56	108949	48.438	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	125739	52.582	ug/l	96
36) 1,1-Dichloropropene	8.377	75	98708	52.725	ug/l	99
37) Ethyl Acetate	7.565	43	100598	48.998	ug/l	98
38) Carbon Tetrachloride	8.365	117	109487	53.166	ug/l	97
39) Methylcyclohexane	9.606	83	134032	54.231	ug/l	96
40) Benzene	8.612	78	301053	52.520	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	51276	52.129	ug/l	100
42) 1,2-Dichloroethane	8.677	62	106774	51.199	ug/l	99
43) Isopropyl Acetate	8.694	43	164293	51.589	ug/l	100
44) Trichloroethene	9.353	130	73600	51.178	ug/l	97
45) 1,2-Dichloropropane	9.623	63	72001	52.781	ug/l	100
46) Dibromomethane	9.712	93	56008	52.699	ug/l	98
47) Bromodichloromethane	9.894	83	108728	52.829	ug/l	99
48) Methyl methacrylate	9.682	41	74114	50.734	ug/l	97
49) 1,4-Dioxane	9.700	88	37633	983.766	ug/l #	87
51) 4-Methyl-2-Pentanone	10.447	43	518173	252.144	ug/l	100
52) Toluene	10.629	92	210786	55.010	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	123255	56.738	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	126522	54.912	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	80027	52.672	ug/l	94
56) Ethyl methacrylate	10.876	69	127473	55.003	ug/l	98
57) 1,3-Dichloropropane	11.165	76	133276	52.674	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	244780	273.205	ug/l	100
59) 2-Hexanone	11.200	43	404849	259.564	ug/l	100
60) Dibromochloromethane	11.359	129	89665	55.937	ug/l	99
61) 1,2-Dibromoethane	11.470	107	85582	54.965	ug/l	100
64) Tetrachloroethene	11.106	164	62615	52.436	ug/l	91
65) Chlorobenzene	11.894	112	221941	53.383	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	83087	53.874	ug/l	98
67) Ethyl Benzene	11.965	91	413460	55.276	ug/l	100
68) m/p-Xylenes	12.070	106	337056	112.303	ug/l	100
69) o-Xylene	12.400	106	165953	55.912	ug/l	97
70) Styrene	12.412	104	270044	57.060	ug/l	99
71) Bromoform	12.582	173	65305	56.557	ug/l #	98
73) Isopropylbenzene	12.700	105	433763	51.426	ug/l	99
74) N-amyl acetate	12.494	43	151956	48.710	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	127997	52.710	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	116213m	52.095	ug/l	
77) Bromobenzene	12.982	156	91241	49.128	ug/l	98
78) n-propylbenzene	13.035	91	505237	53.352	ug/l	100
79) 2-Chlorotoluene	13.129	91	294776	50.939	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	374630	52.881	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	48319	55.601	ug/l	91
82) 4-Chlorotoluene	13.129	91	294776	50.939	ug/l	99
83) tert-Butylbenzene	13.441	119	325364	51.686	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	383200	53.460	ug/l	100
85) sec-Butylbenzene	13.617	105	479631	54.465	ug/l	99
86) p-Isopropyltoluene	13.729	119	406441	55.885	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	192813	53.024	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	190339	52.889	ug/l	99
89) n-Butylbenzene	14.059	91	337450	57.619	ug/l	100
90) Hexachloroethane	14.335	117	70550	52.908	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	185344	51.270	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	27020	47.491	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	86270	55.457	ug/l	97
94) Hexachlorobutadiene	15.500	225	39313	51.839	ug/l	99
95) Naphthalene	15.641	128	311096	52.003	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	82407	53.314	ug/l	99

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

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