

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111822\
 Data File : VN075332.D
 Acq On : 18 Nov 2022 23:03
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/21/2022
 Supervised By : Mahesh Dadoda 11/21/2022

Quant Time: Nov 19 05:17:10 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	8.224	168	144250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	236647	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	217918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	116441	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	70354	36.198	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	72.400%#		
35) Dibromofluoromethane	8.171	113	67390	48.509	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.020%		
50) Toluene-d8	10.565	98	228284	42.354	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	84.700%#		
62) 4-Bromofluorobenzene	12.847	95	91600	48.380	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.760%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	75849	40.420	ug/l	97
3) Chloromethane	2.371	50	76101	38.180	ug/l	99
4) Vinyl Chloride	2.524	62	102682	36.111	ug/l	95
5) Bromomethane	2.918	94	78319	37.237	ug/l	99
6) Chloroethane	3.089	64	74373	36.475	ug/l	93
7) Trichlorofluoromethane	3.489	101	138202	47.578	ug/l	100
8) Diethyl Ether	3.965	74	51110	48.240	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	80323	50.072	ug/l	93
10) Methyl Iodide	4.589	142	130499	54.644	ug/l	95
11) Tert butyl alcohol	5.541	59	110702	244.238	ug/l	98
12) 1,1-Dichloroethene	4.347	96	76906	50.296	ug/l	88
13) Acrolein	4.189	56	331871	895.167	ug/l	98
14) Allyl chloride	5.030	41	106495	47.686	ug/l	94
15) Acrylonitrile	5.730	53	235079	245.522	ug/l	98
16) Acetone	4.436	43	187324	227.620	ug/l	92
17) Carbon Disulfide	4.712	76	189134	49.187	ug/l	100
18) Methyl Acetate	5.036	43	133821	49.781	ug/l	97
19) Methyl tert-butyl Ether	5.806	73	276476	48.648	ug/l	100
20) Methylene Chloride	5.277	84	89895	48.991	ug/l	90
21) trans-1,2-Dichloroethene	5.794	96	83994	50.169	ug/l	97
22) Diisopropyl ether	6.677	45	233884	47.456	ug/l	99
23) Vinyl Acetate	6.612	43	849568	206.433	ug/l	97
24) 1,1-Dichloroethane	6.577	63	148183	47.541	ug/l	99
25) 2-Butanone	7.488	43	302214	233.470	ug/l	94
26) 2,2-Dichloropropane	7.488	77	126059	43.962	ug/l	96
27) cis-1,2-Dichloroethene	7.488	96	103743	51.888	ug/l	92
28) Bromochloromethane	7.818	49	48571	36.966	ug/l	87
29) Tetrahydrofuran	7.841	42	192427	230.050	ug/l	98
30) Chloroform	7.971	83	165401	48.874	ug/l	100
31) Cyclohexane	8.259	56	126722	43.838	ug/l	93
32) 1,1,1-Trichloroethane	8.171	97	153542	49.961	ug/l	97
36) 1,1-Dichloropropene	8.377	75	118544	55.117	ug/l	97
37) Ethyl Acetate	7.565	43	113004	47.909	ug/l	97
38) Carbon Tetrachloride	8.365	117	136729	57.792	ug/l	97
39) Methylcyclohexane	9.600	83	153119	53.927	ug/l	98
40) Benzene	8.606	78	363887	55.257	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	57222	50.636	ug/l	93
42) 1,2-Dichloroethane	8.677	62	122847	51.274	ug/l	95
43) Isopropyl Acetate	8.688	43	196391	53.678	ug/l	99
44) Trichloroethene	9.353	130	98922	59.873	ug/l	96
45) 1,2-Dichloropropane	9.624	63	88526	56.487	ug/l	93
46) Dibromomethane	9.712	93	66858	54.758	ug/l	90
47) Bromodichloromethane	9.888	83	131729	55.712	ug/l	96
48) Methyl methacrylate	9.682	41	85283	50.815	ug/l	96
49) 1,4-Dioxane	9.700	88	49944	1136.431	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	611724	259.099	ug/l	96
52) Toluene	10.629	92	244617	55.568	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	138763	55.601	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	149164	56.351	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	99322	56.902	ug/l	98
56) Ethyl methacrylate	10.876	69	148886	55.919	ug/l	96
57) 1,3-Dichloropropane	11.165	76	159526	54.880	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	236327	229.595	ug/l	97
59) 2-Hexanone	11.194	43	469218	261.856	ug/l	97
60) Dibromochloromethane	11.359	129	113221	61.481	ug/l	99
61) 1,2-Dibromoethane	11.470	107	104018	58.150	ug/l	100
64) Tetrachloroethene	11.106	164	87784	65.705	ug/l	92
65) Chlorobenzene	11.894	112	266220	57.233	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	103349	59.895	ug/l	98
67) Ethyl Benzene	11.965	91	474245	56.669	ug/l	96
68) m/p-Xylenes	12.070	106	383809	114.299	ug/l	99
69) o-Xylene	12.400	106	192572	57.989	ug/l	96
70) Styrene	12.412	104	314527	59.400	ug/l	98
71) Bromoform	12.576	173	88427	68.448	ug/l #	98
73) Isopropylbenzene	12.694	105	492486	52.683	ug/l	97
74) N-amyl acetate	12.494	43	174287	50.410	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	153552	57.388	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	129211m	52.262	ug/l	
77) Bromobenzene	12.982	156	122812	59.666	ug/l	86
78) n-propylbenzene	13.035	91	567871	54.107	ug/l	99
79) 2-Chlorotoluene	13.123	91	339465	52.930	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	432052	55.027	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	52137	54.133	ug/l	86
82) 4-Chlorotoluene	13.123	91	339465	52.930	ug/l	96
83) tert-Butylbenzene	13.441	119	387359	55.522	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	435844	54.864	ug/l	98
85) sec-Butylbenzene	13.617	105	548546	56.205	ug/l	100
86) p-Isopropyltoluene	13.729	119	470880	58.419	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	236982	58.803	ug/l	96
88) 1,4-Dichlorobenzene	13.812	146	235957	59.159	ug/l	97
89) n-Butylbenzene	14.059	91	385547	59.399	ug/l	99
90) Hexachloroethane	14.335	117	78895	53.385	ug/l	82
91) 1,2-Dichlorobenzene	14.106	146	232509	58.032	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	33390	52.953	ug/l	84
93) 1,2,4-Trichlorobenzene	15.394	180	130023	75.416	ug/l	99
94) Hexachlorobutadiene	15.500	225	64400	76.622	ug/l	98
95) Naphthalene	15.641	128	425374	64.158	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	129823	75.785	ug/l	97

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

