

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
 Data File : VN075664.D
 Acq On : 09 Dec 2022 12:57
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/12/2022
 Supervised By : Mahesh Dadoda 12/12/2022

Quant Time: Dec 09 13:30:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 09 13:25:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	216274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	343018	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	302030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	143235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	11371	9.795	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	19.580%#		
35) Dibromofluoromethane	8.165	113	10709	7.947	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	15.900%#		
50) Toluene-d8	10.571	98	37072	12.215	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	24.440%#		
62) 4-Bromofluorobenzene	12.853	95	13108	5.852	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	11.700%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	8892	5.377	ug/l	97
3) Chloromethane	2.371	50	9727	4.727	ug/l	98
4) Vinyl Chloride	2.524	62	12059	4.650	ug/l	99
5) Bromomethane	2.942	94	10638	4.665	ug/l	87
6) Chloroethane	3.112	64	8664	4.409	ug/l #	88
7) Trichlorofluoromethane	3.506	101	17616	4.755	ug/l	91
8) Diethyl Ether	3.977	74	5797	4.464	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.383	101	10559	5.163	ug/l	92
10) Methyl Iodide	4.600	142	16046	4.842	ug/l	95
11) Tert butyl alcohol	5.530	59	8858	18.176	ug/l #	79
12) 1,1-Dichloroethene	4.359	96	9081	4.534	ug/l	91
13) Acrolein	4.189	56	9713	22.878	ug/l	96
14) Allyl chloride	5.036	41	11831	4.567	ug/l	97
15) Acrylonitrile	5.730	53	21536	19.261	ug/l	98
16) Acetone	4.448	43	18904	17.457	ug/l	93
17) Carbon Disulfide	4.718	76	23974	4.606	ug/l	100
18) Methyl Acetate	5.042	43	12049	3.759	ug/l #	72
19) Methyl tert-butyl Ether	5.812	73	30201	4.257	ug/l	95
20) Methylene Chloride	5.289	84	11819	4.658	ug/l	83
21) trans-1,2-Dichloroethene	5.795	96	9915	4.344	ug/l	99
22) Diisopropyl ether	6.683	45	25376	4.292	ug/l	97
23) Vinyl Acetate	6.612	43	95530	20.311	ug/l	97
24) 1,1-Dichloroethane	6.577	63	17523	4.618	ug/l	97
25) 2-Butanone	7.489	43	28824	19.066	ug/l	94
26) 2,2-Dichloropropane	7.500	77	14353	4.070	ug/l	95
27) cis-1,2-Dichloroethene	7.494	96	11826	4.582	ug/l	96
28) Bromochloromethane	7.818	49	6566	4.263	ug/l #	76
29) Tetrahydrofuran	7.841	42	16499	17.942	ug/l	95
30) Chloroform	7.971	83	18916	4.341	ug/l	91
31) Cyclohexane	8.265	56	18863	5.114	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	17161	4.337	ug/l	96
36) 1,1-Dichloropropene	8.383	75	13328	4.536	ug/l	96
37) Ethyl Acetate	7.571	43	10854	4.102	ug/l	98
38) Carbon Tetrachloride	8.371	117	15905	4.927	ug/l	92
39) Methylcyclohexane	9.606	83	17069	4.641	ug/l	94
40) Benzene	8.612	78	43074	4.788	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	5542	4.097	ug/l	96
42) 1,2-Dichloroethane	8.677	62	14877	4.937	ug/l	99
43) Isopropyl Acetate	8.694	43	18097	4.261	ug/l	96
44) Trichloroethene	9.359	130	11953	4.855	ug/l	94
45) 1,2-Dichloropropane	9.624	63	10377	4.840	ug/l	99
46) Dibromomethane	9.712	93	7711	4.755	ug/l	91
47) Bromodichloromethane	9.888	83	14590	4.646	ug/l	100
48) Methyl methacrylate	9.688	41	7897	4.021	ug/l	96
49) 1,4-Dioxane	9.706	88	4112	73.739	ug/l #	90
51) 4-Methyl-2-Pentanone	10.447	43	56130	20.750	ug/l	99
52) Toluene	10.629	92	29136	5.025	ug/l	96
53) t-1,3-Dichloropropene	10.835	75	13686	4.341	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	15835	4.624	ug/l	93
55) 1,1,2-Trichloroethane	11.018	97	10764	4.558	ug/l	96
56) Ethyl methacrylate	10.877	69	14124	4.429	ug/l	95
57) 1,3-Dichloropropane	11.165	76	17687	4.594	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	20775	18.063	ug/l	92
59) 2-Hexanone	11.200	43	39905	19.646	ug/l	97
60) Dibromochloromethane	11.365	129	11880	4.901	ug/l	99
61) 1,2-Dibromoethane	11.476	107	10992	4.485	ug/l	97
64) Tetrachloroethene	11.106	164	11560	5.012	ug/l	88
65) Chlorobenzene	11.894	112	30961	4.964	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	11960	5.138	ug/l	91
67) Ethyl Benzene	11.965	91	51278	4.819	ug/l	100
68) m/p-Xylenes	12.076	106	42308	9.790	ug/l	98
69) o-Xylene	12.400	106	20188	4.702	ug/l	96
70) Styrene	12.412	104	31451	4.643	ug/l	100
71) Bromoform	12.582	173	7448	4.204	ug/l #	93
73) Isopropylbenzene	12.700	105	52358	5.003	ug/l	97
74) N-amyl acetate	12.494	43	14363	4.464	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.941	83	15458	4.845	ug/l	96
76) 1,2,3-Trichloropropane	12.994	75	13446m	4.965	ug/l	
77) Bromobenzene	12.982	156	13255	5.131	ug/l	79
78) n-propylbenzene	13.035	91	55838	4.781	ug/l	99
79) 2-Chlorotoluene	13.129	91	35097	4.988	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	42235	4.858	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.741	75	3110	3.398	ug/l	90
82) 4-Chlorotoluene	13.129	91	35097	4.988	ug/l	94
83) tert-Butylbenzene	13.441	119	39688	5.007	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	42821	4.910	ug/l	98
85) sec-Butylbenzene	13.618	105	51901	4.825	ug/l	99
86) p-Isopropyltoluene	13.735	119	43895	4.851	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	23902	4.883	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	24232	4.873	ug/l	95
89) n-Butylbenzene	14.059	91	33388	4.368	ug/l	98
90) Hexachloroethane	14.335	117	7360	4.714	ug/l	80
91) 1,2-Dichlorobenzene	14.106	146	23777	4.983	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	2353	3.893	ug/l	81
93) 1,2,4-Trichlorobenzene	15.394	180	10572	4.324	ug/l	95
94) Hexachlorobutadiene	15.500	225	6855	5.382	ug/l	92
95) Naphthalene	15.641	128	28893	3.756	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	10458	4.352	ug/l	96

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

