

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083022\
 Data File : VN074171.D
 Acq On : 30 Aug 2022 13:13
 Operator : JC\MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/31/2022
 Supervised By : Semsettin Yesilyurt 08/31/2022

Quant Time: Aug 31 05:29:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 05:27:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	203452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	362177	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	323636	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	136715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	29364	9.304	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	18.600%#		
35) Dibromofluoromethane	7.945	113	20559	8.723	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	17.440%#		
50) Toluene-d8	10.380	98	79041	8.516	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	17.040%#		
62) 4-Bromofluorobenzene	12.668	95	23681	8.390	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	16.780%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	20035	8.927	ug/l	93
3) Chloromethane	2.269	50	30722	10.232	ug/l	99
4) Vinyl Chloride	2.404	62	31223	10.493	ug/l #	83
5) Bromomethane	2.793	94	17364	10.779	ug/l	87
6) Chloroethane	2.969	64	25063	10.224	ug/l #	87
7) Trichlorofluoromethane	3.310	101	43473	9.444	ug/l	85
8) Diethyl Ether	3.769	74	18350	9.817	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.134	101	23772	9.164	ug/l	93
10) Methyl Iodide	4.345	142	18880	9.094	ug/l	97
11) Tert butyl alcohol	5.292	59	34620	44.859	ug/l	97
12) 1,1-Dichloroethene	4.116	96	22275	9.201	ug/l	83
13) Acrolein	3.987	56	34329	49.205	ug/l	98
14) Allyl chloride	4.763	41	50649	9.126	ug/l #	93
15) Acrylonitrile	5.475	53	112211	49.647	ug/l	99
16) Acetone	4.222	43	98366	46.406	ug/l	93
17) Carbon Disulfide	4.463	76	64750	9.495	ug/l	97
18) Methyl Acetate	4.775	43	58664	9.184	ug/l #	85
19) Methyl tert-butyl Ether	5.534	73	83753	9.312	ug/l	94
20) Methylene Chloride	5.010	84	33960	10.592	ug/l #	87
21) trans-1,2-Dichloroethene	5.522	96	24893	9.189	ug/l #	91
22) Diisopropyl ether	6.404	45	107786	10.191	ug/l #	85
23) Vinyl Acetate	6.351	43	454390	50.202	ug/l #	93
24) 1,1-Dichloroethane	6.310	63	54140	9.902	ug/l	98
25) 2-Butanone	7.257	43	166802	47.622	ug/l	89
26) 2,2-Dichloropropane	7.251	77	32796	8.855	ug/l	93
27) cis-1,2-Dichloroethene	7.251	96	30659	10.415	ug/l	93
28) Bromochloromethane	7.586	49	16646	7.941	ug/l #	73
29) Tetrahydrofuran	7.616	42	112249	51.369	ug/l #	83
30) Chloroform	7.739	83	53132	9.543	ug/l	95
31) Cyclohexane	8.028	56	52763	10.118	ug/l	88
32) 1,1,1-Trichloroethane	7.945	97	39679	9.393	ug/l #	88
36) 1,1-Dichloropropene	8.151	75	37606	9.595	ug/l	95
37) Ethyl Acetate	7.339	43	59810	9.427	ug/l #	97
38) Carbon Tetrachloride	8.139	117	34491	9.486	ug/l	92
39) Methylcyclohexane	9.386	83	43032	9.929	ug/l	94
40) Benzene	8.386	78	118056	9.965	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	24580	8.240	ug/l #	92
42) 1,2-Dichloroethane	8.463	62	43226	9.954	ug/l	97
43) Isopropyl Acetate	8.498	43	82052	9.639	ug/l #	93
44) Trichloroethene	9.151	130	27715	10.556	ug/l	94
45) 1,2-Dichloropropane	9.433	63	32925	10.049	ug/l	93
46) Dibromomethane	9.516	93	20908	10.010	ug/l	87
47) Bromodichloromethane	9.698	83	39072	9.396	ug/l	96
48) Methyl methacrylate	9.498	41	35770	9.136	ug/l #	85
49) 1,4-Dioxane	9.510	88	16611	188.642	ug/l #	85
51) 4-Methyl-2-Pentanone	10.269	43	313686	51.573	ug/l	89
52) Toluene	10.445	92	69851	10.046	ug/l	100
53) t-1,3-Dichloropropene	10.663	75	36663	9.363	ug/l #	87
54) cis-1,3-Dichloropropene	10.127	75	45025	9.867	ug/l #	86
55) 1,1,2-Trichloroethane	10.839	97	30501	10.051	ug/l	98
56) Ethyl methacrylate	10.698	69	43451	9.558	ug/l #	79
57) 1,3-Dichloropropane	10.980	76	51176	9.603	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.980	63	112397	48.649	ug/l	92
59) 2-Hexanone	11.027	43	239301	50.771	ug/l	84
60) Dibromochloromethane	11.174	129	27410	9.553	ug/l	97
61) 1,2-Dibromoethane	11.286	107	29630	10.089	ug/l	98
64) Tetrachloroethene	10.916	164	21951	9.461	ug/l	95
65) Chlorobenzene	11.710	112	72990	9.941	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.780	131	25271	9.408	ug/l	99
67) Ethyl Benzene	11.786	91	127711	9.945	ug/l	97
68) m/p-Xylenes	11.892	106	93854	19.969	ug/l	93
69) o-Xylene	12.216	106	47997	10.001	ug/l	99
70) Styrene	12.233	104	75456	9.871	ug/l	97
71) Bromoform	12.398	173	19298	9.156	ug/l #	100
73) Isopropylbenzene	12.516	105	123500	10.711	ug/l	94
74) N-amyl acetate	12.333	43	64643	10.180	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.768	83	49687	10.168	ug/l	100
76) 1,2,3-Trichloropropane	12.821	75	41474m	8.180	ug/l	
77) Bromobenzene	12.804	156	26932	10.137	ug/l	78
78) n-propylbenzene	12.857	91	135392	10.104	ug/l	96
79) 2-Chlorotoluene	12.945	91	85346	10.392	ug/l	94
80) 1,3,5-Trimethylbenzene	12.998	105	98583	10.218	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.563	75	12706	9.647	ug/l #	82
82) 4-Chlorotoluene	13.045	91	82792	10.371	ug/l	99
83) tert-Butylbenzene	13.257	119	81992	10.048	ug/l	97
84) 1,2,4-Trimethylbenzene	13.310	105	94478	10.376	ug/l	100
85) sec-Butylbenzene	13.439	105	117556	10.222	ug/l	98
86) p-Isopropyltoluene	13.557	119	88882	10.216	ug/l	97
87) 1,3-Dichlorobenzene	13.551	146	49439	9.880	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	52160	10.207	ug/l	98
89) n-Butylbenzene	13.880	91	75580	9.563	ug/l	94
90) Hexachloroethane	14.145	117	17898	10.224	ug/l	79
91) 1,2-Dichlorobenzene	13.927	146	51897	10.314	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.545	75	10203	9.840	ug/l	85
93) 1,2,4-Trichlorobenzene	15.192	180	23070	9.489	ug/l	96
94) Hexachlorobutadiene	15.298	225	11860	9.432	ug/l	95
95) Naphthalene	15.433	128	85920	9.636	ug/l	98
96) 1,2,3-Trichlorobenzene	15.627	180	24514	9.361	ug/l	96

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

