

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111622\
 Data File : VN075296.D
 Acq On : 16 Nov 2022 18:27
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/17/2022
 Supervised By : Mahesh Dadoda 11/17/2022

Quant Time: Nov 17 04:30:04 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	8.230	168	132982	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	225262	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	211169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	116952	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	72314	40.359	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	80.720%
35) Dibromofluoromethane	8.171	113	67545	51.078	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.160%
50) Toluene-d8	10.565	98	235843	45.968	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.940%
62) 4-Bromofluorobenzene	12.853	95	91964	51.027	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.060%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	77312	44.691	ug/l	98
3) Chloromethane	2.371	50	75881	41.295	ug/l	97
4) Vinyl Chloride	2.524	62	106939	40.795	ug/l	99
5) Bromomethane	2.918	94	82996	43.609	ug/l	99
6) Chloroethane	3.089	64	80400	42.772	ug/l	99
7) Trichlorofluoromethane	3.483	101	140010	52.285	ug/l	96
8) Diethyl Ether	3.965	74	52329	53.576	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	79469	53.737	ug/l	98
10) Methyl Iodide	4.589	142	123311	56.009	ug/l	97
11) Tert butyl alcohol	5.541	59	96536	231.031	ug/l	98
12) 1,1-Dichloroethene	4.342	96	75036	53.231	ug/l	98
13) Acrolein	4.189	56	63078	184.559	ug/l	99
14) Allyl chloride	5.030	41	108598	52.748	ug/l	95
15) Acrylonitrile	5.730	53	227852	258.138	ug/l	98
16) Acetone	4.436	43	182676	240.781	ug/l	98
17) Carbon Disulfide	4.712	76	173668	48.991	ug/l	100
18) Methyl Acetate	5.030	43	130928	52.832	ug/l	98
19) Methyl tert-butyl Ether	5.806	73	277125	52.894	ug/l	99
20) Methylene Chloride	5.283	84	89978	53.191	ug/l	95
21) trans-1,2-Dichloroethene	5.794	96	82650	53.550	ug/l	96
22) Diisopropyl ether	6.677	45	236513	52.056	ug/l	98
23) Vinyl Acetate	6.612	43	961821m	253.512	ug/l	
24) 1,1-Dichloroethane	6.577	63	150891	52.511	ug/l	100
25) 2-Butanone	7.488	43	294560	246.838	ug/l	100
26) 2,2-Dichloropropane	7.494	77	132154	49.993	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	103184	55.982	ug/l	94
28) Bromochloromethane	7.818	49	53866	44.469	ug/l	93
29) Tetrahydrofuran	7.841	42	193486	250.916	ug/l	100
30) Chloroform	7.971	83	165942	53.189	ug/l	99
31) Cyclohexane	8.259	56	128203	48.108	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	153295	54.107	ug/l	94
36) 1,1-Dichloropropene	8.371	75	120333	58.776	ug/l	98
37) Ethyl Acetate	7.565	43	114203	50.864	ug/l	99
38) Carbon Tetrachloride	8.365	117	136163	60.462	ug/l	98
39) Methylcyclohexane	9.600	83	153510	56.797	ug/l	100
40) Benzene	8.612	78	366442	58.457	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	62850	58.427	ug/l	97
42) 1,2-Dichloroethane	8.677	62	125072	54.841	ug/l	96
43) Isopropyl Acetate	8.694	43	198666	57.044	ug/l	99
44) Trichloroethene	9.353	130	96973	61.660	ug/l	96
45) 1,2-Dichloropropane	9.624	63	90192	60.459	ug/l	96
46) Dibromomethane	9.712	93	66413	57.142	ug/l	93
47) Bromodichloromethane	9.888	83	130471	57.969	ug/l	96
48) Methyl methacrylate	9.682	41	87487	54.763	ug/l	96
49) 1,4-Dioxane	9.700	88	48107	1149.956	ug/l #	87
51) 4-Methyl-2-Pentanone	10.447	43	602610	268.139	ug/l	98
52) Toluene	10.629	92	248350	59.267	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	140941	59.328	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	148116	58.783	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	98300	59.163	ug/l	98
56) Ethyl methacrylate	10.876	69	146177	57.677	ug/l	98
57) 1,3-Dichloropropane	11.165	76	159924	57.798	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	234948	239.792	ug/l	98
59) 2-Hexanone	11.194	43	450945	264.377	ug/l	97
60) Dibromochloromethane	11.359	129	110214	62.873	ug/l	99
61) 1,2-Dibromoethane	11.470	107	104760	61.525	ug/l	98
64) Tetrachloroethene	11.106	164	85707	66.201	ug/l	95
65) Chlorobenzene	11.894	112	266838	59.199	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	102383	61.231	ug/l	98
67) Ethyl Benzene	11.965	91	483141	59.577	ug/l	99
68) m/p-Xylenes	12.070	106	383736	117.929	ug/l	100
69) o-Xylene	12.400	106	191732	59.582	ug/l	98
70) Styrene	12.412	104	314722	61.337	ug/l	98
71) Bromoform	12.582	173	83830	66.963	ug/l #	99
73) Isopropylbenzene	12.694	105	499124	53.160	ug/l	98
74) N-amyl acetate	12.494	43	170339	49.053	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	154147	57.357	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	131055m	52.777	ug/l	
77) Bromobenzene	12.982	156	120838	58.450	ug/l	87
78) n-propylbenzene	13.035	91	568695	53.949	ug/l	99
79) 2-Chlorotoluene	13.123	91	337140	52.338	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	429141	54.418	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	46513	48.082	ug/l	95
82) 4-Chlorotoluene	13.123	91	337140	52.338	ug/l	97
83) tert-Butylbenzene	13.441	119	386418	55.145	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	433386	54.316	ug/l	98
85) sec-Butylbenzene	13.617	105	540792	55.168	ug/l	99
86) p-Isopropyltoluene	13.729	119	467009	57.686	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	235840	58.264	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	234122	58.443	ug/l	98
89) n-Butylbenzene	14.059	91	386276	59.251	ug/l	99
90) Hexachloroethane	14.335	117	77081	51.930	ug/l	84
91) 1,2-Dichlorobenzene	14.106	146	233239	57.960	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	31087	49.086	ug/l	82
93) 1,2,4-Trichlorobenzene	15.394	180	127494	73.626	ug/l	97
94) Hexachlorobutadiene	15.500	225	62608	74.164	ug/l	97
95) Naphthalene	15.641	128	412753	61.982	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	126198	73.347	ug/l	98

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

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