

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100422\
 Data File : VL039695.D
 Acq On : 5 Oct 2022 8:22
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Oct 07 11:50:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Sep 19 14:26:28 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.208	49	984195	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2576187	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2307731	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1695702	9.843	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.755	85	27742	0.243	ppbv	90
3) Chlorodifluoromethane	2.703	51	20555	0.176	ppbv	96
4) Chloromethane	2.838	50	13138	0.186	ppbv	93
5) Vinyl Chloride	2.948	62	9194	0.157	ppbv	92
6) Bromomethane	3.144	94	3503	0.162	ppbv #	77
7) Chloroethane	3.224	64	4407m	0.205	ppbv	
8) Dichlorotetrafluoroethane	2.883	85	25438	0.186	ppbv	93
9) Propene	2.729	41	11855	0.222	ppbv	100
10) Heptane	7.590	43	12720m	0.102	ppbv	
11) Trichlorofluoromethane	3.587	101	25727m	0.182	ppbv	
12) 1,1,2-Trichlorotrifluo...	4.089	101	19110	0.179	ppbv	100
13) Ethanol	3.282	45	2816m	0.693	ppbv	
14) Bromoethene	3.388	108	7713m	0.181	ppbv	
15) Acetone	3.510	43	22026	0.201	ppbv #	75
16) 1,3-Butadiene	3.012	39	10605m	0.191	ppbv	
17) tert-Butyl alcohol	3.925	59	17250m	0.176	ppbv	
18) 1,1-Dichloroethene	3.902	96	9472m	0.202	ppbv	
19) Isopropyl Alcohol	3.623	45	11459m	0.205	ppbv	
20) Methylene Chloride	3.960	84	13366	0.264	ppbv	91
21) Allyl Chloride	4.021	41	9938	0.133	ppbv #	69
22) trans-1,2-Dichloroethene	4.468	96	9743m	0.210	ppbv	
23) Vinyl Acetate	4.639	43	13356m	0.270	ppbv	
24) 1,1-Dichloroethane	4.581	63	16835	0.171	ppbv	98
25) Ethyl Acetate	5.237	43	32495	0.136	ppbv #	92
26) Hexane	5.234	57	20258m	0.200	ppbv	
27) Carbon Disulfide	4.147	76	10144	0.095	ppbv #	28
28) Methyl tert-Butyl Ether	4.626	73	13078m	0.154	ppbv	
29) Chloroform	5.288	83	27801m	0.190	ppbv	
30) Cyclohexane	6.629	84	7553m	0.096	ppbv	
31) cis-1,2-Dichloroethene	5.105	61	11727m	0.128	ppbv	
32) 1,1,1-Trichloroethane	6.025	97	20678m	0.156	ppbv	
34) 2-Butanone	4.825	43	23078m	0.182	ppbv	
35) Carbon Tetrachloride	6.513	117	23721m	0.173	ppbv	
36) Benzene	6.381	78	24529	0.125	ppbv #	85
37) 1,2-Dichloroethane	5.825	62	18999m	0.177	ppbv	
38) Trichloroethene	7.301	130	16884m	0.159	ppbv	
39) 1,2-Dichloropropane	7.092	63	12000m	0.158	ppbv	
40) 1,4-Dioxane	7.356	88	3682m	0.119	ppbv	
41) Tetrahydrofuran	5.607	42	9030m	0.116	ppbv	
42) Bromodichloromethane	7.259	83	19411	0.130	ppbv #	92
43) Methyl Methacrylate	7.497	69	6808m	0.095	ppbv	
44) 2,2,4-Trimethylpentane	7.330	57	35055m	0.103	ppbv	
45) t-1,3-Dichloropropene	8.713	75	6118m	0.101	ppbv	

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46) cis-1,3-Dichloropropene	8.143	75	8580m	0.099	ppbv	
47) 1,1,2-Trichloroethane	8.912	97	12846m	0.155	ppbv	
48) Dibromochloromethane	9.722	129	16412m	0.131	ppbv	
49) Bromoform	12.410	173	12231m	0.118	ppbv	
50) 4-Methyl-2-Pentanone	8.221	43	18752m	0.094	ppbv	
51) 2-Hexanone	9.597	43	13126m	0.089	ppbv	
52) Tetrachloroethene	10.626	164	9697m	0.129	ppbv	
53) Toluene	9.221	91	18634m	0.085	ppbv	
54) 1,2-Dibromoethane	10.015	107	13328m	0.150	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.513	131	6075	0.065	ppbv #	1
57) Chlorobenzene	11.536	112	31102m	0.183	ppbv	
58) Ethyl Benzene	12.098	91	24953m	0.094	ppbv	
59) m/p-Xylene	12.378	91	40429m	0.171	ppbv	
60) o-Xylene	13.073	91	21917m	0.097	ppbv	
61) Styrene	12.905	104	9485m	0.078	ppbv	
62) Isopropylbenzene	14.040	105	41007m	0.121	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.063	83	16830m	0.187	ppbv	
64) n-propylbenzene	14.931	120	8409m	0.097	ppbv	
65) tert-Butylbenzene	16.098	119	34086m	0.113	ppbv	
66) Benzyl Chloride	16.339	91	2973m	0.124	ppbv	
67) sec-Butylbenzene	16.642	105	46853m	0.111	ppbv	
69) p-Isopropyltoluene	17.008	119	32901m	0.095	ppbv	
70) n-Butylbenzene	17.895	91	36980m	0.109	ppbv	
71) 2-Chlorotoluene	14.812	91	27407m	0.112	ppbv	
72) 4-Ethyltoluene	15.201	105	24279m	0.094	ppbv	
73) 1,3,5-Trimethylbenzene	15.362	105	23121m	0.098	ppbv	
74) 1,2,4-Trimethylbenzene	16.117	105	28759m	0.109	ppbv	
75) 1,3-Dichlorobenzene	16.342	146	25355m	0.160	ppbv	
76) 1,4-Dichlorobenzene	16.478	146	26590m	0.168	ppbv	
77) 1,2-Dichlorobenzene	17.150	146	28043m	0.182	ppbv	
78) Hexachloro-1,3-Butadiene	22.641	225	36611m	0.311	ppbv	
79) Naphthalene	21.397	128	34528m	0.198	ppbv	
80) Naphthalene,2-methyl-	24.394	142	7611	0.116	ppbv #	85
81) 1,2,4-Trichlorobenzene	21.146	180	24290m	0.212	ppbv	

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

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