

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081722\
 Data File : VL039537.D
 Acq On : 17 Aug 2022 4:18
 Operator : SY/AP
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Aug 17 04:50:34 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 17 04:35:27 2022
 QLast Update : Wed Aug 17 04:35:27 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/18/2022
 Supervised By : Mahesh Dadoda 08/19/2022

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

Internal Standards						
1) Bromochloromethane	5.201	49	1133745	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2993315	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2893489	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.776	95	2133696	9.931	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.748	85	277686	1.737	ppbv	100
3) Chlorodifluoromethane	2.696	51	289371	2.031	ppbv	99
4) Chloromethane	2.834	50	177438	2.239	ppbv	96
5) Vinyl Chloride	2.941	62	138735	1.797	ppbv	99
6) Bromomethane	3.140	94	58832	1.857	ppbv	92
7) Chloroethane	3.220	64	51465m	1.888	ppbv	
8) Dichlorotetrafluoroethane	2.876	85	346106	1.966	ppbv	96
9) Propene	2.716	41	136387	2.114	ppbv	100
10) Heptane	7.590	43	311558	2.070	ppbv	100
11) Trichlorofluoromethane	3.580	101	352740	1.968	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.085	101	273559	2.060	ppbv	96
13) Ethanol	3.272	45	10880m	2.898	ppbv	
14) Bromoethene	3.388	108	104200m	1.858	ppbv	
15) Acetone	3.490	43	270877	2.051	ppbv	96
16) 1,3-Butadiene	3.005	39	142694	2.071	ppbv	99
17) tert-Butyl alcohol	3.899	59	224060	2.019	ppbv	100
18) 1,1-Dichloroethene	3.899	96	113869	1.892	ppbv	98
19) Isopropyl Alcohol	3.596	45	124306m	1.778	ppbv	
20) Methylene Chloride	3.950	84	114363	2.175	ppbv	93
21) Allyl Chloride	4.014	41	170570	1.863	ppbv	94
22) trans-1,2-Dichloroethene	4.461	96	110208	1.902	ppbv	98
23) Vinyl Acetate	4.641	43	126779m	1.508	ppbv	
24) 1,1-Dichloroethane	4.580	63	236791	1.899	ppbv	99
25) Ethyl Acetate	5.220	43	578207	2.120	ppbv	99
26) Hexane	5.223	57	243273	2.236	ppbv	98
27) Carbon Disulfide	4.140	76	243479	1.856	ppbv	96
28) Methyl tert-Butyl Ether	4.606	73	205475m	1.787	ppbv	
29) Chloroform	5.285	83	371451	1.966	ppbv	98
30) Cyclohexane	6.609	84	196108	1.978	ppbv #	100
31) cis-1,2-Dichloroethene	5.092	61	216730	1.876	ppbv	95
32) 1,1,1-Trichloroethane	6.014	97	340777	1.826	ppbv	99
34) 2-Butanone	4.805	43	312880	2.103	ppbv	95
35) Carbon Tetrachloride	6.500	117	350972	1.925	ppbv	100
36) Benzene	6.381	78	491581	2.132	ppbv	97
37) 1,2-Dichloroethane	5.815	62	265673	1.972	ppbv	100
38) Trichloroethene	7.297	130	267787	2.130	ppbv	94
39) 1,2-Dichloropropane	7.079	63	190515	2.214	ppbv	91
40) 1,4-Dioxane	7.307	88	60337	1.772	ppbv #	1
41) Tetrahydrofuran	5.580	42	188080	2.162	ppbv	97
42) Bromodichloromethane	7.255	83	366849	2.017	ppbv	98
43) Methyl Methacrylate	7.487	69	174899	2.006	ppbv	96
44) 2,2,4-Trimethylpentane	7.336	57	857217	2.196	ppbv	99
45) t-1,3-Dichloropropene	8.712	75	143979m	1.893	ppbv	

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46) cis-1,3-Dichloropropene	8.146	75	200754	1.890	ppbv	97
47) 1,1,2-Trichloroethane	8.899	97	205917m	2.134	ppbv	
48) Dibromochloromethane	9.712	129	307196	2.017	ppbv	97
49) Bromoform	12.410	173	257855	2.095	ppbv #	100
50) 4-Methyl-2-Pentanone	8.194	43	512068	2.248	ppbv	99
51) 2-Hexanone	9.567	43	378065m	2.201	ppbv	
52) Tetrachloroethene	10.619	164	189594	2.050	ppbv	91
53) Toluene	9.226	91	568316	2.146	ppbv	99
54) 1,2-Dibromoethane	10.011	107	238123	2.012	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.509	131	257363	2.055	ppbv #	1
57) Chlorobenzene	11.529	112	460325	2.088	ppbv	98
58) Ethyl Benzene	12.091	91	747274	2.044	ppbv	98
59) m/p-Xylene	12.377	91	1329431m	4.131	ppbv	
60) o-Xylene	13.059	91	644433	2.110	ppbv	98
61) Styrene	12.905	104	341993m	2.070	ppbv	
62) Isopropylbenzene	14.033	105	966202	2.080	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.046	83	286864	1.803	ppbv	97
64) n-propylbenzene	14.914	120	254001m	2.164	ppbv	
65) tert-Butylbenzene	16.091	119	899578	2.105	ppbv	99
66) Benzyl Chloride	16.326	91	62471m	1.613	ppbv	
67) sec-Butylbenzene	16.638	105	1247176	2.160	ppbv	100
69) p-Isopropyltoluene	16.998	119	1052141	2.156	ppbv	99
70) n-Butylbenzene	17.889	91	1032380	2.174	ppbv	100
71) 2-Chlorotoluene	14.802	91	709943	2.132	ppbv	98
72) 4-Ethyltoluene	15.197	105	748336	2.079	ppbv #	100
73) 1,3,5-Trimethylbenzene	15.355	105	677631	2.059	ppbv	98
74) 1,2,4-Trimethylbenzene	16.107	105	769758	2.121	ppbv	99
75) 1,3-Dichlorobenzene	16.332	146	466681	2.156	ppbv	99
76) 1,4-Dichlorobenzene	16.474	146	442577	2.039	ppbv	94
77) 1,2-Dichlorobenzene	17.146	146	449620	2.100	ppbv	98
78) Hexachloro-1,3-Butadiene	22.634	225	367033m	2.116	ppbv	
79) Naphthalene	21.384	128	622696	2.472	ppbv	97
80) Naphthalene,2-methyl-	24.377	142	221190	2.456	ppbv #	100
81) 1,2,4-Trichlorobenzene	21.142	180	373336	2.284	ppbv #	100

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

Manual Integrations

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