

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092222\
 Data File : VL039670.D
 Acq On : 22 Sep 2022 17:41
 Operator : SY/AP
 Sample : VL0922ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0922ABS01

Quant Time: Sep 23 06:35:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Mon Sep 19 14:26:28 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/27/2022
 Supervised By : Mahesh Dadoda 09/28/2022

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

Internal Standards						
1) Bromochloromethane	5.230	49	1029167	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.687	114	2682674	10.000	ppbv	0.03
55) Chlorobenzene-d5	11.500	117	2645569m	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.806	95	2022699	10.242	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.767	85	1077961	9.035	ppbv	97
3) Chlorodifluoromethane	2.713	51	1090177	8.926	ppbv	97
4) Chloromethane	2.851	50	584477	7.930	ppbv	99
5) Vinyl Chloride	2.957	62	542852	8.837	ppbv	100
6) Bromomethane	3.156	94	218129	9.628	ppbv	86
7) Chloroethane	3.234	64	199902	8.898	ppbv	95
8) Dichlorotetrafluoroethane	2.893	85	1362361	9.519	ppbv	96
9) Propene	2.732	41	474267	8.502	ppbv	99
10) Heptane	7.613	43	1260337	9.683	ppbv	98
11) Trichlorofluoromethane	3.600	101	1359377	9.200	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.105	101	1013334	9.080	ppbv	98
13) Ethanol	3.282	45	30102m	7.083	ppbv	
14) Bromoethene	3.404	108	399027	8.956	ppbv	97
15) Acetone	3.507	43	985603	8.606	ppbv	99
16) 1,3-Butadiene	3.021	39	550889	9.482	ppbv	96
17) tert-Butyl alcohol	3.915	59	992323	9.656	ppbv	99
18) 1,1-Dichloroethene	3.918	96	449481	9.154	ppbv	98
19) Isopropyl Alcohol	3.610	45	486371	8.332	ppbv #	94
20) Methylene Chloride	3.970	84	367778	6.946	ppbv	97
21) Allyl Chloride	4.034	41	664588	8.522	ppbv	100
22) trans-1,2-Dichloroethene	4.484	96	419999	8.646	ppbv	96
23) Vinyl Acetate	4.664	43	282398	5.455	ppbv	99
24) 1,1-Dichloroethane	4.600	63	938296	9.101	ppbv	98
25) Ethyl Acetate	5.240	43	2533390	10.145	ppbv	99
26) Hexane	5.250	57	906818	8.557	ppbv	83
27) Carbon Disulfide	4.163	76	1030928	9.257	ppbv	97
28) Methyl tert-Butyl Ether	4.623	73	755048	8.481	ppbv	98
29) Chloroform	5.311	83	1435064	9.381	ppbv	97
30) Cyclohexane	6.635	84	785733	9.575	ppbv	98
31) cis-1,2-Dichloroethene	5.115	61	851937	8.889	ppbv	99
32) 1,1,1-Trichloroethane	6.041	97	1390880	10.043	ppbv	99
34) 2-Butanone	4.825	43	1267435	9.619	ppbv	98
35) Carbon Tetrachloride	6.529	117	1450353	10.184	ppbv	97
36) Benzene	6.404	78	1897208	9.250	ppbv	97
37) 1,2-Dichloroethane	5.844	62	1047052	9.380	ppbv	100
38) Trichloroethene	7.323	130	872369	7.870	ppbv	99
39) 1,2-Dichloropropane	7.114	63	296319	3.741	ppbv	97
40) 1,4-Dioxane	7.320	88	285049	8.814	ppbv	91
41) Tetrahydrofuran	5.594	42	769349	9.517	ppbv	96
42) Bromodichloromethane	7.282	83	1501228	9.669	ppbv	97
43) Methyl Methacrylate	7.510	69	780062	10.434	ppbv	98
44) 2,2,4-Trimethylpentane	7.362	57	3270311	9.251	ppbv	99
45) t-1,3-Dichloropropene	8.745	75	534276	8.457	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.175	75	822700	9.147	ppbv	99
47) 1,1,2-Trichloroethane	8.934	97	806835	9.320	ppbv	97
48) Dibromochloromethane	9.741	129	1345590	10.322	ppbv	100
49) Bromoform	12.439	173	1158846	10.748	ppbv	98
50) 4-Methyl-2-Pentanone	8.217	43	2069140	9.993	ppbv	97
51) 2-Hexanone	9.587	43	1557019	10.158	ppbv #	97
52) Tetrachloroethene	10.648	164	724117	9.254	ppbv	98
53) Toluene	9.256	91	2237967	9.811	ppbv	99
54) 1,2-Dibromoethane	10.037	107	1026906	11.089	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.539	131	1060071	9.915	ppbv	96
57) Chlorobenzene	11.561	112	1724156	8.863	ppbv	99
58) Ethyl Benzene	12.121	91	3026664	9.922	ppbv	98
59) m/p-Xylene	12.407	91	5196002m	19.141	ppbv	
60) o-Xylene	13.092	91	2528412	9.753	ppbv	99
61) Styrene	12.934	104	1418014	10.157	ppbv	99
62) Isopropylbenzene	14.063	105	3879690	9.946	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.079	83	1538090	14.875	ppbv	99
64) n-propylbenzene	14.950	120	1001516	10.026	ppbv	95
65) tert-Butylbenzene	16.124	119	3496684	10.146	ppbv	99
66) Benzyl Chloride	16.365	91	189729m	6.914	ppbv	
67) sec-Butylbenzene	16.670	105	4897441	10.132	ppbv	99
69) p-Isopropyltoluene	17.030	119	4152994	10.456	ppbv	99
70) n-Butylbenzene	17.921	91	4136191	10.623	ppbv	99
71) 2-Chlorotoluene	14.831	91	2859874	10.154	ppbv	99
72) 4-Ethyltoluene	15.227	105	3015109	10.188	ppbv	99
73) 1,3,5-Trimethylbenzene	15.384	105	2730555	10.083	ppbv	97
74) 1,2,4-Trimethylbenzene	16.140	105	2928356	9.647	ppbv	95
75) 1,3-Dichlorobenzene	16.365	146	1763043	9.734	ppbv	100
76) 1,4-Dichlorobenzene	16.506	146	1738017	9.592	ppbv	97
77) 1,2-Dichlorobenzene	17.175	146	1748819	9.901	ppbv	100
78) Hexachloro-1,3-Butadiene	22.664	225	1282421	9.503	ppbv	100
79) Naphthalene	21.416	128	2405519	12.008	ppbv	99
80) Naphthalene,2-methyl-	24.406	142	484526	6.433	ppbv	98
81) 1,2,4-Trichlorobenzene	21.175	180	1356415	10.309	ppbv	99

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

