

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111822\
 Data File : VL039903.D
 Acq On : 18 Nov 2022 13:12
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL111822

Quant Time: Nov 18 14:07:43 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 19 2022

QLast Update : Fri Nov 18 14:05:14 2022

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 11/21/2022
 Supervised By : Mahesh Dadoda 11/21/2022

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

Internal Standards						
1) Bromochloromethane	5.179	49	1306252	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3728662	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	3699950	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 2703709 9.567 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.713	85	1846082	9.868	ppbv	95
3) Chlorodifluoromethane	2.658	51	1622304	9.000	ppbv	99
4) Chloromethane	2.796	50	1039252	9.022	ppbv	97
5) Vinyl Chloride	2.903	62	886303	9.847	ppbv	100
6) Bromomethane	3.105	94	305841	9.962	ppbv	100
7) Chloroethane	3.182	64	315977	8.881	ppbv	95
8) Dichlorotetrafluoroethane	2.841	85	2056812	9.628	ppbv	100
9) Propene	2.678	41	766355	9.026	ppbv	99
10) Heptane	7.574	43	1856858	9.063	ppbv	99
11) Trichlorofluoromethane	3.549	101	2141573	9.385	ppbv	100
12) 1,1,2-Trichlorotrifluoro...	4.054	101	1552086	8.987	ppbv	100
13) Ethanol	3.221	45	51041m	7.874	ppbv	
14) Bromoethene	3.349	108	642791	9.544	ppbv	99
15) Acetone	3.452	43	1648409	9.514	ppbv	99
16) 1,3-Butadiene	2.970	39	807567	9.352	ppbv	98
17) tert-Butyl alcohol	3.864	59	1853790	9.306	ppbv	100
18) 1,1-Dichloroethene	3.867	96	729875	9.265	ppbv	98
19) Isopropyl Alcohol	3.559	45	843582	8.993	ppbv	87
20) Methylene Chloride	3.919	84	608621	7.251	ppbv	98
21) Allyl Chloride	3.983	41	1131925	9.418	ppbv	99
22) trans-1,2-Dichloroethene	4.433	96	772029	9.637	ppbv	95
23) Vinyl Acetate	4.613	43	682919	9.594	ppbv	99
24) 1,1-Dichloroethane	4.552	63	1567606	9.134	ppbv	99
25) Ethyl Acetate	5.192	43	3179662	9.996	ppbv	100
26) Hexane	5.202	57	1379912	9.930	ppbv	98
27) Carbon Disulfide	4.112	76	1780103	10.146	ppbv	98
28) Methyl tert-Butyl Ether	4.571	73	1542799	8.867	ppbv	100
29) Chloroform	5.266	83	2192069	11.870	ppbv	100
30) Cyclohexane	6.594	84	1235470	9.059	ppbv	98
31) cis-1,2-Dichloroethene	5.066	61	1226286	9.551	ppbv	97
32) 1,1,1-Trichloroethane	5.996	97	2312533	10.027	ppbv	99
34) 2-Butanone	4.774	43	1764086	9.888	ppbv	98
35) Carbon Tetrachloride	6.488	117	2350938	11.102	ppbv	98
36) Benzene	6.362	78	3095140	9.766	ppbv	99
37) 1,2-Dichloroethane	5.796	62	1782595	10.264	ppbv	100
38) Trichloroethene	7.285	130	1740581	9.825	ppbv	99
39) 1,2-Dichloropropane	7.070	63	1187803	9.619	ppbv	97
40) 1,4-Dioxane	7.282	88	468187	9.518	ppbv	98
41) Tetrahydrofuran	5.549	42	1235368	10.030	ppbv	99
42) Bromodichloromethane	7.243	83	2496427	10.599	ppbv	97
43) Methyl Methacrylate	7.468	69	1245201	10.021	ppbv	100
44) 2,2,4-Trimethylpentane	7.320	57	4972849	9.399	ppbv	100
45) t-1,3-Dichloropropene	8.706	75	1284712	11.191	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	1677098	10.545	ppbv	99
47) 1,1,2-Trichloroethane	8.899	97	1230680	9.698	ppbv	98
48) Dibromochloromethane	9.709	129	2087033	11.228	ppbv	100
49) Bromoform	12.413	173	1726589	11.475	ppbv	100
50) 4-Methyl-2-Pentanone	8.179	43	3152386	9.865	ppbv	100
51) 2-Hexanone	9.549	43	2485037	10.018	ppbv #	99
52) Tetrachloroethene	10.616	164	1111881	9.378	ppbv	97
53) Toluene	9.217	91	3475128	9.625	ppbv	99
54) 1,2-Dibromoethane	10.012	107	1462365	10.798	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.513	131	1508245	9.972	ppbv	98
57) Chlorobenzene	11.532	112	2668850	9.434	ppbv	97
58) Ethyl Benzene	12.092	91	4696414	9.356	ppbv	100
59) m/p-Xylene	12.378	91	7843035m	18.669	ppbv	
60) o-Xylene	13.066	91	3769452	9.408	ppbv	100
61) Styrene	12.905	104	2362113	9.877	ppbv	100
62) Isopropylbenzene	14.037	105	5417091	9.376	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.053	83	1291435	9.653	ppbv	100
64) n-propylbenzene	14.925	120	1452642	9.611	ppbv	98
65) tert-Butylbenzene	16.105	119	4785237	9.468	ppbv	99
66) Benzyl Chloride	16.339	91	483691	11.167	ppbv	99
67) sec-Butylbenzene	16.648	105	6623796	9.531	ppbv	99
69) p-Isopropyltoluene	17.011	119	5529637	9.659	ppbv	99
70) n-Butylbenzene	17.902	91	5597964	9.864	ppbv	100
71) 2-Chlorotoluene	14.812	91	4138161	9.450	ppbv	100
72) 4-Ethyltoluene	15.204	105	4457314	9.897	ppbv	99
73) 1,3,5-Trimethylbenzene	15.362	105	3951670	9.585	ppbv	98
74) 1,2,4-Trimethylbenzene	16.121	105	4193215	9.607	ppbv	94
75) 1,3-Dichlorobenzene	16.343	146	2444860	9.956	ppbv	99
76) 1,4-Dichlorobenzene	16.484	146	2434128	9.999	ppbv	99
77) 1,2-Dichlorobenzene	17.156	146	2324342	9.818	ppbv	100
78) Hexachloro-1,3-Butadiene	22.657	225	1639242	9.979	ppbv	99
79) Naphthalene	21.407	128	3352407	12.834	ppbv	98
80) Naphthalene,2-methyl-	24.394	142	1286685	17.514	ppbv	94
81) 1,2,4-Trichlorobenzene	21.162	180	1807064	11.202	ppbv	99

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

