

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082224\
 Data File : VL041589.D
 Acq On : 22 Aug 2024 16:37
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/23/2024
 Supervised By :Mahesh Dadoda 08/23/2024

Quant Time: Aug 23 01:33:46 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 23 01:15:26 2024

QLast Update : Fri Aug 23 01:15:26 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	926570	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2445888	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2430230m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.760 95 1850686 9.896 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.748	85	1135672	7.125	ppbv	100
3) Chlorodifluoromethane	2.693	51	997111	9.040	ppbv	98
4) Chloromethane	2.832	50	540646	9.215	ppbv	99
5) Vinyl Chloride	2.938	62	530749	9.178	ppbv	96
6) Bromomethane	3.134	94	226564	7.623	ppbv	99
7) Chloroethane	3.211	64	184112	9.225	ppbv	98
8) Dichlorotetrafluoroethane	2.873	85	1266780	8.969	ppbv	98
9) Propene	2.713	41	448290	8.847	ppbv	99
10) Heptane	7.574	43	1112359	9.770	ppbv	99
11) Trichlorofluoromethane	3.571	101	1252649	8.849	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.073	101	904063	8.869	ppbv	99
13) Ethanol	3.253	45	36035m	7.957	ppbv	
14) Bromoethene	3.378	108	355174	8.937	ppbv	97
15) Acetone	3.478	43	928317	8.818	ppbv	99
16) 1,3-Butadiene	3.002	39	515989	9.174	ppbv	99
17) tert-Butyl alcohol	3.886	59	1004284	10.460	ppbv	100
18) 1,1-Dichloroethene	3.889	96	404195	9.269	ppbv	97
19) Isopropyl Alcohol	3.587	45	585434	9.512	ppbv #	98
20) Methylene Chloride	3.941	84	337371	8.594	ppbv	97
21) Allyl Chloride	4.005	41	612658	8.874	ppbv	99
22) trans-1,2-Dichloroethene	4.449	96	391034	8.969	ppbv	97
23) Vinyl Acetate	4.629	43	659106	8.197	ppbv #	97
24) 1,1-Dichloroethane	4.568	63	869793	9.188	ppbv	100
25) Ethyl Acetate	5.205	43	1996557	9.546	ppbv	100
26) Hexane	5.214	57	822742	9.483	ppbv	97
27) Carbon Disulfide	4.131	76	927543	9.138	ppbv	99
28) Methyl tert-Butyl Ether	4.590	73	497219	9.087	ppbv	99
29) Chloroform	5.275	83	1273995	9.003	ppbv	97
30) Cyclohexane	6.597	84	680092	9.626	ppbv	96
31) cis-1,2-Dichloroethene	5.082	61	789017	9.206	ppbv	99
32) 1,1,1-Trichloroethane	6.002	97	1243610	9.028	ppbv	100
34) 2-Butanone	4.790	43	1188515	10.045	ppbv	98
35) Carbon Tetrachloride	6.491	117	1312342	9.728	ppbv	98
36) Benzene	6.368	78	1757748	9.835	ppbv	99
37) 1,2-Dichloroethane	5.806	62	969873	9.696	ppbv	99
38) Trichloroethene	7.288	130	846367	10.337	ppbv	98
39) 1,2-Dichloropropane	7.069	63	682748	9.978	ppbv	99
40) 1,4-Dioxane	7.278	88	295567m	10.753	ppbv	
41) Tetrahydrofuran	5.558	42	706495	10.440	ppbv	98
42) Bromodichloromethane	7.243	83	1398254	9.681	ppbv	99
43) Methyl Methacrylate	7.468	69	686835	10.717	ppbv	98
44) 2,2,4-Trimethylpentane	7.320	57	3007382	10.075	ppbv	100
45) t-1,3-Dichloropropene	8.700	75	557009	9.443	ppbv	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	773479	9.080	ppbv	94
47) 1,1,2-Trichloroethane	8.889	97	741553	9.832	ppbv	97
48) Dibromochloromethane	9.700	129	1228287	10.109	ppbv	100
49) Bromoform	12.397	173	1137650	11.084	ppbv	99
50) 4-Methyl-2-Pentanone	8.172	43	1982075	10.618	ppbv	100
51) 2-Hexanone	9.539	43	1595130	11.301	ppbv #	98
52) Tetrachloroethene	10.600	164	667789	9.670	ppbv	98
53) Toluene	9.211	91	2042791	10.262	ppbv	100
54) 1,2-Dibromoethane	9.999	107	1022248	10.183	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.497	131	919718	9.759	ppbv #	57
57) Chlorobenzene	11.516	112	1653755	9.558	ppbv	98
58) Ethyl Benzene	12.076	91	2827947	10.096	ppbv	100
59) m/p-Xylene	12.355	91	4923705m	20.362	ppbv	
60) o-Xylene	13.043	91	2372242	10.371	ppbv	100
61) Styrene	12.886	104	1149764	11.142	ppbv	99
62) Isopropylbenzene	14.014	105	3510869	10.096	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.034	83	1457884	10.093	ppbv	100
64) n-propylbenzene	14.902	120	958647	10.545	ppbv	96
65) tert-Butylbenzene	16.079	119	3318226	10.565	ppbv	99
66) Benzyl Chloride	16.310	91	213625	10.604	ppbv	99
67) sec-Butylbenzene	16.622	105	4710244	10.885	ppbv	100
69) p-Isopropyltoluene	16.982	119	3971714	11.060	ppbv	99
70) n-Butylbenzene	17.873	91	4271239	11.603	ppbv	100
71) 2-Chlorotoluene	14.786	91	2723204	10.619	ppbv	100
72) 4-Ethyltoluene	15.182	105	2963454	11.004	ppbv	99
73) 1,3,5-Trimethylbenzene	15.339	105	2583010	11.134	ppbv	100
74) 1,2,4-Trimethylbenzene	16.095	105	2949571	10.936	ppbv	97
75) 1,3-Dichlorobenzene	16.317	146	1877791	11.075	ppbv	100
76) 1,4-Dichlorobenzene	16.458	146	1813964	11.049	ppbv	99
77) 1,2-Dichlorobenzene	17.130	146	1899169	11.299	ppbv	100
78) Hexachloro-1,3-Butadiene	22.615	225	1492560	10.413	ppbv	100
79) Naphthalene	21.368	128	3291851	13.828	ppbv	99
80) Naphthalene,2-methyl-	24.358	142	1493871	7.486	ppbv	97
81) 1,2,4-Trichlorobenzene	21.123	180	1699381	11.995	ppbv	99

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

