

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080124\
 Data File : VL041469.D
 Acq On : 1 Aug 2024 8:26
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/02/2024
 Supervised By : Mahesh Dadoda 08/03/2024

Quant Time: Aug 02 03:16:36 2024

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Aug 02 03:13:29 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	979040	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2694005	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2778670m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.774 95 2039503 9.538 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.729	85	1379390	8.190	ppbv	100
3) Chlorodifluoromethane	2.674	51	1206576	10.352	ppbv	100
4) Chloromethane	2.813	50	632080	10.196	ppbv	100
5) Vinyl Chloride	2.922	62	642911	10.522	ppbv	99
6) Bromomethane	3.118	94	344381	10.966	ppbv	98
7) Chloroethane	3.195	64	228571	10.839	ppbv	95
8) Dichlorotetrafluoroethane	2.858	85	1559098	10.447	ppbv	98
9) Propene	2.694	41	547723	10.230	ppbv	99
10) Heptane	7.578	43	1358142	11.290	ppbv	99
11) Trichlorofluoromethane	3.562	101	1530982	10.235	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.063	101	1121639	10.413	ppbv	99
13) Ethanol	3.247	45	40042	8.368	ppbv	95
14) Bromoethene	3.362	108	448769	10.687	ppbv	100
15) Acetone	3.465	43	1125392	10.117	ppbv	100
16) 1,3-Butadiene	2.986	39	644102	10.838	ppbv	98
17) tert-Butyl alcohol	3.874	59	1158971	11.424	ppbv	100
18) 1,1-Dichloroethene	3.877	96	496171	10.769	ppbv	97
19) Isopropyl Alcohol	3.575	45	753741	11.590	ppbv	99
20) Methylene Chloride	3.931	84	424966	10.245	ppbv	97
21) Allyl Chloride	3.996	41	797538	10.932	ppbv	99
22) trans-1,2-Dichloroethene	4.443	96	503243	10.924	ppbv	100
23) Vinyl Acetate	4.626	43	983130	11.572	ppbv #	98
24) 1,1-Dichloroethane	4.562	63	1063455	10.631	ppbv	99
25) Ethyl Acetate	5.202	43	2412523	10.917	ppbv	100
26) Hexane	5.211	57	1007277	10.988	ppbv	99
27) Carbon Disulfide	4.121	76	1186899	11.067	ppbv	99
28) Methyl tert-Butyl Ether	4.581	73	604138	10.450	ppbv	99
29) Chloroform	5.272	83	1568738	10.491	ppbv	98
30) Cyclohexane	6.597	84	853980	11.439	ppbv	100
31) cis-1,2-Dichloroethene	5.076	61	979343	10.814	ppbv	99
32) 1,1,1-Trichloroethane	5.999	97	1549930	10.648	ppbv	99
34) 2-Butanone	4.784	43	1450016	11.127	ppbv	99
35) Carbon Tetrachloride	6.491	117	1637128	11.018	ppbv	100
36) Benzene	6.369	78	2144248	10.893	ppbv	99
37) 1,2-Dichloroethane	5.806	62	1205519	10.942	ppbv	100
38) Trichloroethene	7.288	130	988684	10.963	ppbv	99
39) 1,2-Dichloropropane	7.070	63	822720	10.917	ppbv	95
40) 1,4-Dioxane	7.279	88	348979	11.527	ppbv	97
41) Tetrahydrofuran	5.552	42	852230	11.434	ppbv	100
42) Bromodichloromethane	7.250	83	1732711	10.891	ppbv	99
43) Methyl Methacrylate	7.472	69	843632	11.951	ppbv	97
44) 2,2,4-Trimethylpentane	7.324	57	3600389	10.951	ppbv	100
45) t-1,3-Dichloropropene	8.709	75	867487	13.352	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	1156968	12.331	ppbv	97
47) 1,1,2-Trichloroethane	8.896	97	901356	10.850	ppbv	97
48) Dibromochloromethane	9.709	129	1513890	11.312	ppbv	99
49) Bromoform	12.404	173	1330550	11.770	ppbv	100
50) 4-Methyl-2-Pentanone	8.179	43	2388067	11.615	ppbv	100
51) 2-Hexanone	9.545	43	1941778	12.490	ppbv #	99
52) Tetrachloroethene	10.613	164	818556	10.762	ppbv	97
53) Toluene	9.221	91	2522110	11.503	ppbv	100
54) 1,2-Dibromoethane	10.008	107	1301300	11.769	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.504	131	1095567	10.167	ppbv #	59
57) Chlorobenzene	11.523	112	1956993	9.892	ppbv	99
58) Ethyl Benzene	12.085	91	3425464	10.695	ppbv	99
59) m/p-Xylene	12.368	91	5821066m	21.055	ppbv	
60) o-Xylene	13.057	91	2799755	10.705	ppbv	100
61) Styrene	12.896	104	1374201	11.647	ppbv	99
62) Isopropylbenzene	14.028	105	4062180	10.217	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.047	83	1716233	10.392	ppbv	100
64) n-propylbenzene	14.912	120	1093284	10.518	ppbv	97
65) tert-Butylbenzene	16.089	119	3664775	10.205	ppbv	100
66) Benzyl Chloride	16.326	91	279355	12.128	ppbv	99
67) sec-Butylbenzene	16.632	105	5128648	10.365	ppbv	100
69) p-Isopropyltoluene	16.992	119	4306845	10.490	ppbv	100
70) n-Butylbenzene	17.883	91	4448253	10.568	ppbv	100
71) 2-Chlorotoluene	14.799	91	3061039	10.440	ppbv	100
72) 4-Ethyltoluene	15.191	105	3360877	10.915	ppbv	99
73) 1,3,5-Trimethylbenzene	15.349	105	2868332	10.813	ppbv	100
74) 1,2,4-Trimethylbenzene	16.108	105	3204898	10.392	ppbv	97
75) 1,3-Dichlorobenzene	16.326	146	1992371	10.277	ppbv	100
76) 1,4-Dichlorobenzene	16.471	146	1940194	10.336	ppbv	100
77) 1,2-Dichlorobenzene	17.140	146	1952482	10.160	ppbv	100
78) Hexachloro-1,3-Butadiene	22.628	225	1479561	9.028	ppbv	99
79) Naphthalene	21.381	128	3343125	12.282	ppbv	98
80) Naphthalene,2-methyl-	24.368	142	2818526	12.353	ppbv	99
81) 1,2,4-Trichlorobenzene	21.137	180	1735016	10.711	ppbv	99

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

