

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012424\
 Data File : VL041011.D
 Acq On : 24 Jan 2024 11:24
 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 :Mahesh Dadoda 01/25/2024
 Supervised By :Semsettin Yesilyurt 01/25/2024

Quant Time: Jan 25 03:16:19 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

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

QLast Update : Thu Jan 25 03:13:06 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.156	49	1105276	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.616	114	2846888	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.430	117	2662768	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.738 95 2039974 10.143 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.700	85	1971354	8.075	ppbv	97
3) Chlorodifluoromethane	2.645	51	1670100	8.984	ppbv	100
4) Chloromethane	2.784	50	640630	9.194	ppbv	99
5) Vinyl Chloride	2.890	62	660196	9.664	ppbv	99
6) Bromomethane	3.089	94	281980	9.480	ppbv	93
7) Chloroethane	3.166	64	237093	9.638	ppbv	98
8) Dichlorotetrafluoroethane	2.825	85	1622895	8.899	ppbv	98
9) Propene	2.665	41	569224	9.335	ppbv	96
10) Heptane	7.542	43	1428419	9.518	ppbv	100
11) Trichlorofluoromethane	3.530	101	1791104	9.105	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.031	101	1276761	8.956	ppbv	98
13) Ethanol	3.208	45	118141	8.129	ppbv	96
14) Bromoethene	3.333	108	528831	9.661	ppbv	99
15) Acetone	3.436	43	1209256	8.556	ppbv	99
16) 1,3-Butadiene	2.954	39	628370	9.293	ppbv	99
17) tert-Butyl alcohol	3.845	59	1102036	9.506	ppbv	99
18) 1,1-Dichloroethene	3.848	96	570922	9.354	ppbv	96
19) Isopropyl Alcohol	3.546	45	726186	8.876	ppbv	100
20) Methylene Chloride	3.899	84	474080	8.717	ppbv	98
21) Allyl Chloride	3.964	41	817019	9.514	ppbv	99
22) trans-1,2-Dichloroethene	4.411	96	587749	9.352	ppbv	99
23) Vinyl Acetate	4.594	43	1456149	9.994	ppbv	99
24) 1,1-Dichloroethane	4.529	63	1197688	9.267	ppbv	99
25) Ethyl Acetate	5.166	43	2398985	9.360	ppbv	100
26) Hexane	5.179	57	1037957	9.502	ppbv	98
27) Carbon Disulfide	4.092	76	1428375	10.048	ppbv	98
28) Methyl tert-Butyl Ether	4.552	73	848104	9.354	ppbv	98
29) Chloroform	5.240	83	1797344	9.276	ppbv	99
30) Cyclohexane	6.565	84	905818	9.897	ppbv	98
31) cis-1,2-Dichloroethene	5.044	61	917390	8.948	ppbv	98
32) 1,1,1-Trichloroethane	5.970	97	1775304	9.587	ppbv	99
34) 2-Butanone	4.751	43	1323715	9.760	ppbv	100
35) Carbon Tetrachloride	6.459	117	1898055	9.998	ppbv	100
36) Benzene	6.333	78	2256523	9.597	ppbv	98
37) 1,2-Dichloroethane	5.774	62	1378345	9.606	ppbv	99
38) Trichloroethene	7.253	130	890551	9.448	ppbv	98
39) 1,2-Dichloropropane	7.037	63	877142	9.470	ppbv	99
40) 1,4-Dioxane	7.250	88	344241	8.948	ppbv	87
41) Tetrahydrofuran	5.520	42	920562	9.996	ppbv	99
42) Bromodichloromethane	7.214	83	2003213	9.758	ppbv	99
43) Methyl Methacrylate	7.439	69	949623	10.467	ppbv	100
44) 2,2,4-Trimethylpentane	7.291	57	3702233	9.358	ppbv	100
45) t-1,3-Dichloropropene	8.674	75	700945	11.307	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.105	75	826725	10.694	ppbv	98
47) 1,1,2-Trichloroethane	8.861	97	952587	9.542	ppbv	98
48) Dibromochloromethane	9.671	129	1713344	10.151	ppbv	99
49) Bromoform	12.372	173	1401807	10.588	ppbv	99
50) 4-Methyl-2-Pentanone	8.143	43	2403986	10.065	ppbv	100
51) 2-Hexanone	9.513	43	1771665	10.290	ppbv	99
52) Tetrachloroethene	10.574	164	781870	10.014	ppbv	98
53) Toluene	9.182	91	2597348	10.084	ppbv	100
54) 1,2-Dibromoethane	9.973	107	1385249	10.245	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.468	131	1239123	9.699	ppbv	99
57) Chlorobenzene	11.487	112	2053381	9.587	ppbv	98
58) Ethyl Benzene	12.050	91	3530528	9.874	ppbv	99
59) m/p-Xylene	12.333	91	6062601m	19.446	ppbv	
60) o-Xylene	13.024	91	2901527	9.700	ppbv	100
61) Styrene	12.860	104	1504272	10.952	ppbv	99
62) Isopropylbenzene	13.992	105	4227305	9.556	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.011	83	2137053	9.193	ppbv	99
64) n-propylbenzene	14.880	120	1092560	9.776	ppbv	99
65) tert-Butylbenzene	16.053	119	3737276	9.670	ppbv	99
66) Benzyl Chloride	16.291	91	272862	10.774	ppbv	99
67) sec-Butylbenzene	16.597	105	5284785	9.391	ppbv	100
69) p-Isopropyltoluene	16.957	119	4272226	9.800	ppbv	100
70) n-Butylbenzene	17.847	91	4522111	9.600	ppbv	100
71) 2-Chlorotoluene	14.761	91	3290740	9.641	ppbv	100
72) 4-Ethyltoluene	15.153	105	3344172	10.011	ppbv	100
73) 1,3,5-Trimethylbenzene	15.314	105	2880156	9.715	ppbv	99
74) 1,2,4-Trimethylbenzene	16.069	105	3182241	9.468	ppbv	95
75) 1,3-Dichlorobenzene	16.291	146	1834662	9.592	ppbv	100
76) 1,4-Dichlorobenzene	16.433	146	1771283	9.385	ppbv	99
77) 1,2-Dichlorobenzene	17.105	146	1775835	9.341	ppbv	99
78) Hexachloro-1,3-Butadiene	22.590	225	1025582	8.365	ppbv	100
79) Naphthalene	21.339	128	2404709	12.542	ppbv	98
80) Naphthalene,2-methyl-	24.342	142	484398	14.385	ppbv	92
81) 1,2,4-Trichlorobenzene	21.098	180	1159422	10.365	ppbv	100

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

