

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021524\
 Data File : VL041066.D
 Acq On : 15 Feb 2024 11:34
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Feb 16 04:06:14 2024

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

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

QLast Update : Fri Feb 16 04:05:22 2024

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/19/2024
 Supervised By : Mahesh Dadoda 02/20/2024

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

Internal Standards						
1) Bromochloromethane	5.176	49	1220763	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3102148	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2988409	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.761 95 2343919 10.384 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	2465480	9.144	ppbv	99
3) Chlorodifluoromethane	2.652	51	1900818	9.258	ppbv	100
4) Chloromethane	2.790	50	724762	9.417	ppbv	98
5) Vinyl Chloride	2.899	62	732745	9.711	ppbv	97
6) Bromomethane	3.099	94	306084	9.317	ppbv	100
7) Chloroethane	3.176	64	252772	9.303	ppbv	100
8) Dichlorotetrafluoroethane	2.835	85	1821415	9.043	ppbv	99
9) Propene	2.671	41	641296	9.522	ppbv	98
10) Heptane	7.565	43	1631171	9.841	ppbv	98
11) Trichlorofluoromethane	3.542	101	1929392	8.881	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.047	101	1399044	8.885	ppbv	99
13) Ethanol	3.218	45	149169	9.293	ppbv	92
14) Bromoethene	3.346	108	582502	9.635	ppbv	99
15) Acetone	3.446	43	1341207	8.591	ppbv	99
16) 1,3-Butadiene	2.964	39	701182	9.389	ppbv	100
17) tert-Butyl alcohol	3.857	59	1175171	9.178	ppbv	100
18) 1,1-Dichloroethene	3.857	96	621201	9.215	ppbv	96
19) Isopropyl Alcohol	3.555	45	836231	9.254	ppbv	99
20) Methylene Chloride	3.912	84	528572	8.799	ppbv	99
21) Allyl Chloride	3.976	41	884440	9.324	ppbv	100
22) trans-1,2-Dichloroethene	4.427	96	634872	9.146	ppbv	94
23) Vinyl Acetate	4.607	43	1480055	9.197	ppbv	99
24) 1,1-Dichloroethane	4.546	63	1307597	9.160	ppbv	99
25) Ethyl Acetate	5.185	43	2760629	9.752	ppbv	100
26) Hexane	5.195	57	1207345	10.007	ppbv	98
27) Carbon Disulfide	4.102	76	1554426	9.900	ppbv	100
28) Methyl tert-Butyl Ether	4.568	73	881277	8.801	ppbv	98
29) Chloroform	5.256	83	2046740	9.564	ppbv	100
30) Cyclohexane	6.584	84	1042573	10.313	ppbv	97
31) cis-1,2-Dichloroethene	5.060	61	1232830	10.887	ppbv	96
32) 1,1,1-Trichloroethane	5.986	97	1997525	9.766	ppbv	100
34) 2-Butanone	4.767	43	1525425	10.322	ppbv	99
35) Carbon Tetrachloride	6.478	117	2135024	10.321	ppbv	99
36) Benzene	6.356	78	2571513	10.037	ppbv	98
37) 1,2-Dichloroethane	5.790	62	1509635	9.656	ppbv	100
38) Trichloroethene	7.275	130	1012678	9.859	ppbv	98
39) 1,2-Dichloropropane	7.057	63	1003591	9.944	ppbv	99
40) 1,4-Dioxane	7.269	88	411880	9.825	ppbv	96
41) Tetrahydrofuran	5.539	42	1047459	10.438	ppbv	99
42) Bromodichloromethane	7.234	83	2262752	10.115	ppbv	98
43) Methyl Methacrylate	7.462	69	1060937	10.731	ppbv	99
44) 2,2,4-Trimethylpentane	7.311	57	4249467	9.857	ppbv	99
45) t-1,3-Dichloropropene	8.693	75	836820	12.388	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.131	75	1002417	11.899	ppbv	93
47) 1,1,2-Trichloroethane	8.883	97	1096757	10.082	ppbv	96
48) Dibromochloromethane	9.696	129	1933462	10.512	ppbv	99
49) Bromoform	12.394	173	1578960	10.945	ppbv	99
50) 4-Methyl-2-Pentanone	8.166	43	2717349	10.440	ppbv	99
51) 2-Hexanone	9.539	43	1970858	10.505	ppbv	99
52) Tetrachloroethene	10.600	164	874994	10.284	ppbv	96
53) Toluene	9.204	91	2962362	10.555	ppbv	99
54) 1,2-Dibromoethane	9.995	107	1573567	10.681	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.497	131	1416650	9.880	ppbv	99
57) Chlorobenzene	11.513	112	2323935	9.668	ppbv	99
58) Ethyl Benzene	12.076	91	4044845	10.080	ppbv	100
59) m/p-Xylene	12.359	91	6925649m	19.794	ppbv	
60) o-Xylene	13.044	91	3309907	9.860	ppbv	100
61) Styrene	12.886	104	1707913	11.080	ppbv	100
62) Isopropylbenzene	14.018	105	4825077	9.719	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.034	83	2475062	9.487	ppbv	99
64) n-propylbenzene	14.905	120	1266631	10.099	ppbv	96
65) tert-Butylbenzene	16.076	119	4227407	9.746	ppbv	99
66) Benzyl Chloride	16.314	91	301213	10.597	ppbv	98
67) sec-Butylbenzene	16.622	105	5980569	9.469	ppbv	100
69) p-Isopropyltoluene	16.979	119	4818240	9.849	ppbv	100
70) n-Butylbenzene	17.873	91	5176710	9.792	ppbv	100
71) 2-Chlorotoluene	14.786	91	3764043	9.826	ppbv	99
72) 4-Ethyltoluene	15.179	105	3818735	10.185	ppbv	99
73) 1,3,5-Trimethylbenzene	15.336	105	3319699	9.977	ppbv	100
74) 1,2,4-Trimethylbenzene	16.098	105	3609784	9.570	ppbv #	88
75) 1,3-Dichlorobenzene	16.317	146	2092309	9.747	ppbv	99
76) 1,4-Dichlorobenzene	16.458	146	2043610	9.647	ppbv	99
77) 1,2-Dichlorobenzene	17.127	146	2033821	9.532	ppbv	99
78) Hexachloro-1,3-Butadiene	22.616	225	1157663m	8.414	ppbv	
79) Naphthalene	21.368	128	2682130	12.465	ppbv	99
80) Naphthalene,2-methyl-	24.361	142	427295	11.307	ppbv	95
81) 1,2,4-Trichlorobenzene	21.120	180	1284614	10.232	ppbv	99

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

