

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082224\
 Data File : VL041578.D
 Acq On : 22 Aug 2024 8:12
 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 08/23/2024
 Supervised By : Mahesh Dadoda 08/23/2024

Quant Time: Aug 23 01:27:27 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 01:27:27 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	5.192	49	959694	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2578849	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2607271m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 1952454 9.731 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.745	85	1255273	7.603	ppbv	99
3) Chlorodifluoromethane	2.690	51	978504	8.565	ppbv	99
4) Chloromethane	2.825	50	520493	8.566	ppbv	100
5) Vinyl Chloride	2.931	62	523629	8.743	ppbv	99
6) Bromomethane	3.131	94	220666	7.168	ppbv	89
7) Chloroethane	3.208	64	182039	8.807	ppbv	99
8) Dichlorotetrafluoroethane	2.870	85	1232934	8.428	ppbv	99
9) Propene	2.710	41	442316	8.428	ppbv	98
10) Heptane	7.574	43	1118652	9.486	ppbv	99
11) Trichlorofluoromethane	3.571	101	1218476	8.310	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.073	101	918343	8.698	ppbv	99
13) Ethanol	3.263	45	33820m	7.210	ppbv	
14) Bromoethene	3.375	108	355777	8.643	ppbv	98
15) Acetone	3.478	43	935862	8.583	ppbv	99
16) 1,3-Butadiene	2.996	39	505470	8.676	ppbv	99
17) tert-Butyl alcohol	3.883	59	951717	9.570	ppbv	99
18) 1,1-Dichloroethene	3.886	96	409850	9.075	ppbv	100
19) Isopropyl Alcohol	3.584	45	572882	8.987	ppbv #	96
20) Methylene Chloride	3.938	84	326647	8.033	ppbv	96
21) Allyl Chloride	4.002	41	626128	8.756	ppbv	98
22) trans-1,2-Dichloroethene	4.449	96	406561	9.003	ppbv	98
23) Vinyl Acetate	4.629	43	679457	8.159	ppbv #	98
24) 1,1-Dichloroethane	4.568	63	894809	9.126	ppbv	99
25) Ethyl Acetate	5.205	43	2004286	9.252	ppbv	99
26) Hexane	5.214	57	813991	9.058	ppbv	97
27) Carbon Disulfide	4.131	76	927236	8.820	ppbv	100
28) Methyl tert-Butyl Ether	4.587	73	481623	8.499	ppbv	98
29) Chloroform	5.272	83	1290837	8.807	ppbv	97
30) Cyclohexane	6.597	84	693311	9.474	ppbv	99
31) cis-1,2-Dichloroethene	5.079	61	777184	8.755	ppbv	100
32) 1,1,1-Trichloroethane	6.002	97	1249830	8.760	ppbv	99
34) 2-Butanone	4.787	43	1125640	9.023	ppbv	100
35) Carbon Tetrachloride	6.491	117	1312241	9.226	ppbv	98
36) Benzene	6.369	78	1740518	9.237	ppbv	99
37) 1,2-Dichloroethane	5.806	62	977454	9.268	ppbv	100
38) Trichloroethene	7.285	130	848446	9.828	ppbv	98
39) 1,2-Dichloropropane	7.069	63	678564	9.406	ppbv	97
40) 1,4-Dioxane	7.282	88	270698	9.341	ppbv	83
41) Tetrahydrofuran	5.558	42	705576	9.889	ppbv	98
42) Bromodichloromethane	7.243	83	1392464	9.144	ppbv	99
43) Methyl Methacrylate	7.468	69	686671	10.162	ppbv	98
44) 2,2,4-Trimethylpentane	7.320	57	2981605	9.474	ppbv	100
45) t-1,3-Dichloropropene	8.703	75	550028	8.844	ppbv	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	775442	8.634	ppbv	96
47) 1,1,2-Trichloroethane	8.889	97	747560	9.401	ppbv	97
48) Dibromochloromethane	9.703	129	1222551	9.543	ppbv	100
49) Bromoform	12.397	173	1153004	10.655	ppbv	100
50) 4-Methyl-2-Pentanone	8.172	43	1980430	10.062	ppbv	99
51) 2-Hexanone	9.539	43	1589662	10.682	ppbv #	97
52) Tetrachloroethene	10.606	164	665752	9.143	ppbv	99
53) Toluene	9.211	91	2051709	9.775	ppbv	100
54) 1,2-Dibromoethane	9.999	107	1014769	9.587	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.497	131	919797	9.097	ppbv #	56
57) Chlorobenzene	11.516	112	1664457	8.966	ppbv	99
58) Ethyl Benzene	12.076	91	2847394	9.475	ppbv	100
59) m/p-Xylene	12.359	91	4932055m	19.012	ppbv	
60) o-Xylene	13.047	91	2409614	9.819	ppbv	99
61) Styrene	12.883	104	1154847	10.431	ppbv	98
62) Isopropylbenzene	14.015	105	3530699	9.464	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.034	83	1463446	9.444	ppbv	99
64) n-propylbenzene	14.902	120	960147	9.844	ppbv	95
65) tert-Butylbenzene	16.076	119	3341191	9.915	ppbv	100
66) Benzyl Chloride	16.317	91	205433	9.505	ppbv	98
67) sec-Butylbenzene	16.622	105	4743225	10.217	ppbv	100
69) p-Isopropyltoluene	16.982	119	4053997	10.523	ppbv	100
70) n-Butylbenzene	17.873	91	4290563	10.864	ppbv	100
71) 2-Chlorotoluene	14.786	91	2768757	10.064	ppbv	100
72) 4-Ethyltoluene	15.178	105	3006316	10.405	ppbv	99
73) 1,3,5-Trimethylbenzene	15.336	105	2624356	10.544	ppbv	100
74) 1,2,4-Trimethylbenzene	16.095	105	2993401	10.345	ppbv	97
75) 1,3-Dichlorobenzene	16.320	146	1894241	10.414	ppbv	99
76) 1,4-Dichlorobenzene	16.458	146	1849892	10.503	ppbv	98
77) 1,2-Dichlorobenzene	17.127	146	1891671	10.490	ppbv	100
78) Hexachloro-1,3-Butadiene	22.622	225	1498523m	9.745	ppbv	
79) Naphthalene	21.368	128	3303813	12.935	ppbv	99
80) Naphthalene,2-methyl-	24.365	142	1377262	6.433	ppbv	100
81) 1,2,4-Trichlorobenzene	21.124	180	1709937	11.250	ppbv	98

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

