

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070124\
 Data File : VL041379.D
 Acq On : 1 Jul 2024 22:35
 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 :Mahesh Dadoda 07/02/2024
 Supervised By :Semsettin Yesilyurt 07/02/2024

Quant Time: Jul 01 23:35:04 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL062624AIR.M

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

QLast Update : Mon Jul 01 23:27:24 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.214	49	1004858	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2692688	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2590524m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.767 95 1865102 9.606 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.780	85	1539936	8.981	ppbv	97
3) Chlorodifluoromethane	2.726	51	1538140	8.877	ppbv	99
4) Chloromethane	2.864	50	594914	8.984	ppbv	98
5) Vinyl Chloride	2.967	62	629186	8.793	ppbv	100
6) Bromomethane	3.163	94	153470	6.780	ppbv	98
7) Chloroethane	3.240	64	221538	9.371	ppbv	99
8) Dichlorotetrafluoroethane	2.906	85	1551856	9.311	ppbv	99
9) Propene	2.745	41	533678	8.901	ppbv	99
10) Heptane	7.587	43	1318564	9.363	ppbv	99
11) Trichlorofluoromethane	3.600	101	1553347	9.307	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.095	101	1061490	9.075	ppbv	99
13) Ethanol	3.285	45	145733	10.957	ppbv	96
14) Bromoethene	3.407	108	445295	9.490	ppbv	97
15) Acetone	3.510	43	1111693	8.377	ppbv	97
16) 1,3-Butadiene	3.031	39	610089	9.659	ppbv	98
17) tert-Butyl alcohol	3.915	59	1095693	10.702	ppbv	99
18) 1,1-Dichloroethene	3.915	96	473351	9.205	ppbv	99
19) Isopropyl Alcohol	3.616	45	839960	11.529	ppbv	99
20) Methylene Chloride	3.970	84	391178	8.123	ppbv	95
21) Allyl Chloride	4.028	41	684509	8.551	ppbv	99
22) trans-1,2-Dichloroethene	4.472	96	467230	9.148	ppbv	99
23) Vinyl Acetate	4.655	43	1239610	9.475	ppbv	99
24) 1,1-Dichloroethane	4.591	63	1043543	9.201	ppbv	99
25) Ethyl Acetate	5.227	43	2210142	9.044	ppbv	99
26) Hexane	5.234	57	975819	9.018	ppbv	98
27) Carbon Disulfide	4.156	76	1236801	9.394	ppbv	98
28) Methyl tert-Butyl Ether	4.613	73	731628	9.116	ppbv	98
29) Chloroform	5.298	83	1527803	9.151	ppbv	100
30) Cyclohexane	6.613	84	810337	9.400	ppbv	99
31) cis-1,2-Dichloroethene	5.102	61	959563	9.250	ppbv	100
32) 1,1,1-Trichloroethane	6.018	97	1506617	8.598	ppbv	99
34) 2-Butanone	4.812	43	1330831	9.366	ppbv	100
35) Carbon Tetrachloride	6.507	117	1564349	8.797	ppbv	98
36) Benzene	6.385	78	2058963	9.239	ppbv	99
37) 1,2-Dichloroethane	5.825	62	1175987	9.197	ppbv	100
38) Trichloroethene	7.301	130	821822	8.466	ppbv	98
39) 1,2-Dichloropropane	7.086	63	791232	9.188	ppbv	96
40) 1,4-Dioxane	7.295	88	325196	11.778	ppbv #	16
41) Tetrahydrofuran	5.578	42	825071	9.374	ppbv	99
42) Bromodichloromethane	7.259	83	1678836	9.384	ppbv	99
43) Methyl Methacrylate	7.481	69	831330	9.929	ppbv	97
44) 2,2,4-Trimethylpentane	7.336	57	3438881	9.080	ppbv	99
45) t-1,3-Dichloropropene	8.713	75	379250	7.157	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	547148	7.679	ppbv	97
47) 1,1,2-Trichloroethane	8.902	97	847928	9.180	ppbv	98
48) Dibromochloromethane	9.709	129	1432589	9.658	ppbv	99
49) Bromoform	12.400	173	1145007	9.693	ppbv	98
50) 4-Methyl-2-Pentanone	8.188	43	2102612	9.215	ppbv	99
51) 2-Hexanone	9.552	43	1461591	9.011	ppbv #	100
52) Tetrachloroethene	10.613	164	738085	8.248	ppbv	97
53) Toluene	9.221	91	2387321	9.498	ppbv	99
54) 1,2-Dibromoethane	10.008	107	1021670	8.938	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.503	131	1058568	9.081	ppbv	99
57) Chlorobenzene	11.520	112	1822824	8.970	ppbv	97
58) Ethyl Benzene	12.082	91	3243092	9.357	ppbv	100
59) m/p-Xylene	12.365	91	5508547m	18.365	ppbv	
60) o-Xylene	13.053	91	2608092	9.213	ppbv	100
61) Styrene	12.889	104	1333785	9.702	ppbv	99
62) Isopropylbenzene	14.021	105	3976294	9.098	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.040	83	1856179	8.323	ppbv	99
64) n-propylbenzene	14.905	120	1027435	9.006	ppbv	94
65) tert-Butylbenzene	16.082	119	3543079	9.105	ppbv	99
66) Benzyl Chloride	16.323	91	160376m	6.272	ppbv	
67) sec-Butylbenzene	16.625	105	5019193	9.120	ppbv	100
69) p-Isopropyltoluene	16.986	119	4225702	9.296	ppbv	100
70) n-Butylbenzene	17.876	91	4381330	9.430	ppbv	100
71) 2-Chlorotoluene	14.789	91	2953569	9.097	ppbv	100
72) 4-Ethyltoluene	15.182	105	3192041	9.467	ppbv	99
73) 1,3,5-Trimethylbenzene	15.339	105	2799793	9.701	ppbv	99
74) 1,2,4-Trimethylbenzene	16.098	105	3077907	9.464	ppbv	99
75) 1,3-Dichlorobenzene	16.320	146	1774399	9.198	ppbv	98
76) 1,4-Dichlorobenzene	16.461	146	1739685	9.051	ppbv	99
77) 1,2-Dichlorobenzene	17.133	146	1766967	8.984	ppbv	99
78) Hexachloro-1,3-Butadiene	22.619	225	444996	3.111	ppbv	100
79) Naphthalene	21.384	128	419568	2.399	ppbv	97
80) Naphthalene,2-methyl-	24.419	142	34	0.074	ppbv #	1
81) 1,2,4-Trichlorobenzene	21.140	180	338040	3.127	ppbv	99

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

