

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062624\
 Data File : VL041358.D
 Acq On : 26 Jun 2024 12:54
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/27/2024
 Supervised By : Mahesh Dadoda 06/27/2024

Quant Time: Jun 26 13:26:21 2024

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

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

QLast Update : Wed Jun 26 10:54:23 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	1091972	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.677	114	2918960	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.487	117	2836754	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.796 95 2103568 9.604 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.748	85	2232444	12.802	ppbv	99
3) Chlorodifluoromethane	2.693	51	2372667	13.750	ppbv	99
4) Chloromethane	2.832	50	922977	14.210	ppbv	98
5) Vinyl Chloride	2.938	62	989166	15.118	ppbv	97
6) Bromomethane	3.140	94	330078	14.188	ppbv	100
7) Chloroethane	3.214	64	340942	15.134	ppbv	96
8) Dichlorotetrafluoroethane	2.877	85	2307648	14.390	ppbv	99
9) Propene	2.713	41	834954	13.584	ppbv	99
10) Heptane	7.600	43	2056662	14.117	ppbv	99
11) Trichlorofluoromethane	3.581	101	2352388	14.675	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.086	101	1657245	14.636	ppbv	99
13) Ethanol	3.263	45	195750	12.241	ppbv	95
14) Bromoethene	3.385	108	706815	15.424	ppbv	99
15) Acetone	3.488	43	1779557	14.274	ppbv	99
16) 1,3-Butadiene	3.002	39	962605	15.359	ppbv	98
17) tert-Butyl alcohol	3.899	59	1631125	14.210	ppbv	99
18) 1,1-Dichloroethene	3.899	96	746236	15.450	ppbv	97
19) Isopropyl Alcohol	3.600	45	1143062	14.593	ppbv	99
20) Methylene Chloride	3.951	84	636847	14.054	ppbv	99
21) Allyl Chloride	4.015	41	1182505	14.971	ppbv	100
22) trans-1,2-Dichloroethene	4.465	96	764265	15.183	ppbv	97
23) Vinyl Acetate	4.648	43	2131286	16.715	ppbv	99
24) 1,1-Dichloroethane	4.584	63	1607285	14.329	ppbv	99
25) Ethyl Acetate	5.224	43	3479358	14.107	ppbv	100
26) Hexane	5.230	57	1513859	13.648	ppbv	97
27) Carbon Disulfide	4.144	76	1999199	16.272	ppbv	99
28) Methyl tert-Butyl Ether	4.607	73	1164469	14.165	ppbv	98
29) Chloroform	5.298	83	2377541	13.971	ppbv	98
30) Cyclohexane	6.619	84	1295710	14.412	ppbv	98
31) cis-1,2-Dichloroethene	5.098	61	1539281	14.686	ppbv	99
32) 1,1,1-Trichloroethane	6.024	97	2374020	14.727	ppbv	99
34) 2-Butanone	4.806	43	2134687	15.265	ppbv	99
35) Carbon Tetrachloride	6.513	117	2477107	14.931	ppbv	100
36) Benzene	6.394	78	3204795	14.165	ppbv	99
37) 1,2-Dichloroethane	5.832	62	1881726	14.266	ppbv	100
38) Trichloroethene	7.314	130	1231679	13.433	ppbv	97
39) 1,2-Dichloropropane	7.095	63	1241698	13.783	ppbv	97
40) 1,4-Dioxane	7.304	88	398340	12.073	ppbv #	82
41) Tetrahydrofuran	5.574	42	1332547	14.645	ppbv	100
42) Bromodichloromethane	7.272	83	2676894	14.130	ppbv	100
43) Methyl Methacrylate	7.494	69	1319049	15.301	ppbv	98
44) 2,2,4-Trimethylpentane	7.349	57	5280128	13.570	ppbv	100
45) t-1,3-Dichloropropene	8.735	75	939432	16.150	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062624\
 Data File : VL041358.D
 Acq On : 26 Jun 2024 12:54
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/27/2024
 Supervised By :Mahesh Dadoda 06/27/2024

Quant Time: Jun 26 13:26:21 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 : Wed Jun 26 10:54:23 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.166	75	1139732	15.221	ppbv	97
47) 1,1,2-Trichloroethane	8.922	97	1328142	14.107	ppbv	98
48) Dibromochloromethane	9.732	129	2276772	14.674	ppbv	98
49) Bromoform	12.429	173	1864005	14.908	ppbv	99
50) 4-Methyl-2-Pentanone	8.201	43	3359942	14.515	ppbv	100
51) 2-Hexanone	9.571	43	2474194	15.038	ppbv #	98
52) Tetrachloroethene	10.635	164	1163520	14.102	ppbv	99
53) Toluene	9.240	91	3759051	14.444	ppbv	99
54) 1,2-Dibromoethane	10.031	107	1785713	14.549	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.529	131	1632957	13.610	ppbv #	92
57) Chlorobenzene	11.548	112	2794769	13.263	ppbv	99
58) Ethyl Benzene	12.111	91	5012346	13.784	ppbv	98
59) m/p-Xylene	12.394	91	8387629m	26.923	ppbv	
60) o-Xylene	13.079	91	3934582	13.248	ppbv	99
61) Styrene	12.918	104	2181407	14.981	ppbv	98
62) Isopropylbenzene	14.050	105	5996265	13.349	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.072	83	2869420	13.579	ppbv	99
64) n-propylbenzene	14.937	120	1602547	13.843	ppbv	97
65) tert-Butylbenzene	16.108	119	5305584	13.287	ppbv	100
66) Benzyl Chloride	16.352	91	447058	17.016	ppbv	96
67) sec-Butylbenzene	16.658	105	7503322	13.301	ppbv	99
69) p-Isopropyltoluene	17.018	119	6332145	13.620	ppbv	99
70) n-Butylbenzene	17.905	91	6622429	13.730	ppbv	99
71) 2-Chlorotoluene	14.822	91	4546603	13.225	ppbv	100
72) 4-Ethyltoluene	15.211	105	4958199	14.330	ppbv	99
73) 1,3,5-Trimethylbenzene	15.371	105	4303535	14.330	ppbv	98
74) 1,2,4-Trimethylbenzene	16.127	105	4631774	13.638	ppbv #	92
75) 1,3-Dichlorobenzene	16.352	146	2834331	14.216	ppbv	99
76) 1,4-Dichlorobenzene	16.494	146	2795725	14.033	ppbv	100
77) 1,2-Dichlorobenzene	17.162	146	2764428	13.851	ppbv	100
78) Hexachloro-1,3-Butadiene	22.660	225	1816346	11.105	ppbv	100
79) Naphthalene	21.416	128	3439133	11.670	ppbv	98
80) Naphthalene,2-methyl-	24.390	142	19216m	0.193	ppbv	
81) 1,2,4-Trichlorobenzene	21.169	180	1861487	11.327	ppbv	99

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

