

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050924\
 Data File : VL041251.D
 Acq On : 9 May 2024 10:12
 Operator : SY/MD
 Sample : VL0509ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0509ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2024
 Supervised By :Mahesh Dadoda 05/10/2024

Quant Time: May 10 01:24:29 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

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

QLast Update : Fri May 10 01:23:08 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	811861	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2116799	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2118121m	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1589577	9.941	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.745	85	1205448	10.977	ppbv	98
3) Chlorodifluoromethane	2.690	51	1324596	10.743	ppbv	98
4) Chloromethane	2.828	50	506743	10.474	ppbv	94
5) Vinyl Chloride	2.938	62	511679	10.527	ppbv	98
6) Bromomethane	3.134	94	190993	10.770	ppbv	96
7) Chloroethane	3.214	64	181482	10.575	ppbv	100
8) Dichlorotetrafluoroethane	2.873	85	1249490	10.993	ppbv	99
9) Propene	2.709	41	474265	9.828	ppbv	99
10) Heptane	7.594	43	1162835	9.946	ppbv	99
11) Trichlorofluoromethane	3.578	101	1287452	11.535	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.079	101	897685	10.876	ppbv	98
13) Ethanol	3.256	45	112907	10.438	ppbv	98
14) Bromoethene	3.382	108	369560	10.850	ppbv	98
15) Acetone	3.481	43	933269	9.740	ppbv	98
16) 1,3-Butadiene	2.999	39	507148	10.485	ppbv	99
17) tert-Butyl alcohol	3.893	59	921399	8.915	ppbv	98
18) 1,1-Dichloroethene	3.893	96	398536	10.830	ppbv	92
19) Isopropyl Alcohol	3.591	45	671811	10.685	ppbv #	45
20) Methylene Chloride	3.944	84	334158	10.029	ppbv	95
21) Allyl Chloride	4.012	41	629627	10.078	ppbv	96
22) trans-1,2-Dichloroethene	4.462	96	415942	10.869	ppbv	98
23) Vinyl Acetate	4.642	43	1081831	10.254	ppbv	98
24) 1,1-Dichloroethane	4.578	63	894954	10.909	ppbv	100
25) Ethyl Acetate	5.217	43	1946797	10.180	ppbv	100
26) Hexane	5.227	57	854142	10.008	ppbv	99
27) Carbon Disulfide	4.137	76	1069063	10.582	ppbv	96
28) Methyl tert-Butyl Ether	4.600	73	659867	9.710	ppbv	99
29) Chloroform	5.288	83	1316026	11.178	ppbv	98
30) Cyclohexane	6.616	84	716530	10.606	ppbv	97
31) cis-1,2-Dichloroethene	5.092	61	857084	10.727	ppbv	94
32) 1,1,1-Trichloroethane	6.018	97	1324769	11.277	ppbv	99
34) 2-Butanone	4.803	43	1080811	10.032	ppbv	100
35) Carbon Tetrachloride	6.507	117	1361511	11.461	ppbv	100
36) Benzene	6.385	78	1798409	10.124	ppbv	99
37) 1,2-Dichloroethane	5.822	62	1038219	11.202	ppbv	100
38) Trichloroethene	7.304	130	695903	10.512	ppbv	98
39) 1,2-Dichloropropane	7.089	63	691429	10.100	ppbv	97
40) 1,4-Dioxane	7.298	88	291689m	11.926	ppbv	
41) Tetrahydrofuran	5.571	42	758866	9.730	ppbv	100
42) Bromodichloromethane	7.266	83	1496658	11.259	ppbv	97
43) Methyl Methacrylate	7.487	69	727714	10.128	ppbv	97
44) 2,2,4-Trimethylpentane	7.340	57	3043039	9.935	ppbv	100
45) t-1,3-Dichloropropene	8.725	75	563904	10.831	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050924\
 Data File : VL041251.D
 Acq On : 9 May 2024 10:12
 Operator : SY/MD
 Sample : VL0509ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0509ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/10/2024
 Supervised By : Mahesh Dadoda 05/10/2024

Quant Time: May 10 01:24:29 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

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

QLast Update : Fri May 10 01:23:08 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	668653	10.490	ppbv	97
47) 1,1,2-Trichloroethane	8.915	97	731971	10.682	ppbv	99
48) Dibromochloromethane	9.725	129	1275686	11.684	ppbv	99
49) Bromoform	12.420	173	1036827	11.163	ppbv	99
50) 4-Methyl-2-Pentanone	8.195	43	1890320	9.777	ppbv	100
51) 2-Hexanone	9.565	43	1399805	9.760	ppbv #	98
52) Tetrachloroethene	10.629	164	643008	10.299	ppbv	97
53) Toluene	9.233	91	2118061	10.283	ppbv	99
54) 1,2-Dibromoethane	10.024	107	1044164	11.251	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.519	131	925392	10.775	ppbv	97
57) Chlorobenzene	11.539	112	1592229	10.264	ppbv	96
58) Ethyl Benzene	12.101	91	2845672	9.798	ppbv	99
59) m/p-Xylene	12.384	91	4825879m	19.770	ppbv	
60) o-Xylene	13.069	91	2276108	9.947	ppbv	100
61) Styrene	12.912	104	1247685	10.322	ppbv	98
62) Isopropylbenzene	14.043	105	3442394	10.058	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.060	83	1615637	10.359	ppbv	100
64) n-propylbenzene	14.931	120	895978	10.493	ppbv	97
65) tert-Butylbenzene	16.104	119	3002315	9.794	ppbv	100
66) Benzyl Chloride	16.342	91	257213m	7.412	ppbv	
67) sec-Butylbenzene	16.651	105	4279753	9.918	ppbv	99
69) p-Isopropyltoluene	17.008	119	3552123	9.989	ppbv	100
70) n-Butylbenzene	17.899	91	3733108	10.052	ppbv	99
71) 2-Chlorotoluene	14.815	91	2638093	10.124	ppbv	98
72) 4-Ethyltoluene	15.204	105	2718402	10.489	ppbv	100
73) 1,3,5-Trimethylbenzene	15.362	105	2388569	10.186	ppbv	98
74) 1,2,4-Trimethylbenzene	16.117	105	2598398	10.146	ppbv	95
75) 1,3-Dichlorobenzene	16.346	146	1535259	10.454	ppbv	100
76) 1,4-Dichlorobenzene	16.487	146	1521812	10.776	ppbv	99
77) 1,2-Dichlorobenzene	17.156	146	1500182	10.220	ppbv	100
78) Hexachloro-1,3-Butadiene	22.644	225	1062019	8.140	ppbv	99
79) Naphthalene	21.397	128	2623146	10.756	ppbv	98
80) Naphthalene,2-methyl-	24.384	142	810982	8.266	ppbv	96
81) 1,2,4-Trichlorobenzene	21.156	180	1245271	9.670	ppbv	99

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

