

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040029.D
 Acq On : 19 Dec 2022 15:31
 Operator : SY/MD
 Sample : VL1219ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1219ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/20/2022
 Supervised By : Mahesh Dadoda 12/20/2022

Quant Time: Dec 20 04:59:10 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 19 2022

QLast Update : Tue Dec 20 04:50:21 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.173	49	986956	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.636	114	2856556	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2738549	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	2082141	9.953	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.706	85	1484142	8.033	ppbv	98
3) Chlorodifluoromethane	2.652	51	1218685	8.369	ppbv	100
4) Chloromethane	2.790	50	769240	8.431	ppbv	99
5) Vinyl Chloride	2.899	62	659511	8.934	ppbv	100
6) Bromomethane	3.095	94	236209	8.708	ppbv	96
7) Chloroethane	3.176	64	232795	8.358	ppbv #	87
8) Dichlorotetrafluoroethane	2.835	85	1616008	8.314	ppbv	99
9) Propene	2.671	41	524646	8.490	ppbv	99
10) Heptane	7.558	43	1324487	8.781	ppbv	100
11) Trichlorofluoromethane	3.539	101	1707066	8.504	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.044	101	1304512	8.580	ppbv	100
13) Ethanol	3.221	45	43134m	7.416	ppbv	
14) Bromoethene	3.343	108	521391	9.107	ppbv	98
15) Acetone	3.446	43	1181681	7.740	ppbv	99
16) 1,3-Butadiene	2.964	39	593660	8.945	ppbv	100
17) tert-Butyl alcohol	3.854	59	1268038	8.424	ppbv	100
18) 1,1-Dichloroethene	3.857	96	581364	8.785	ppbv	98
19) Isopropyl Alcohol	3.552	45	631097	8.388	ppbv #	97
20) Methylene Chloride	3.909	84	497062	7.659	ppbv	97
21) Allyl Chloride	3.973	41	820199	8.940	ppbv	99
22) trans-1,2-Dichloroethene	4.423	96	604353	9.163	ppbv	97
23) Vinyl Acetate	4.607	43	463046	9.566	ppbv #	97
24) 1,1-Dichloroethane	4.542	63	1191114	8.380	ppbv	99
25) Ethyl Acetate	5.182	43	2229781	8.433	ppbv	100
26) Hexane	5.192	57	956156	8.604	ppbv	98
27) Carbon Disulfide	4.102	76	1394935	9.951	ppbv	98
28) Methyl tert-Butyl Ether	4.565	73	1127265	8.607	ppbv	98
29) Chloroform	5.253	83	1575958	9.293	ppbv	98
30) Cyclohexane	6.581	84	872250	8.863	ppbv	99
31) cis-1,2-Dichloroethene	5.057	61	928339	8.772	ppbv	97
32) 1,1,1-Trichloroethane	5.983	97	1722741	9.488	ppbv	100
34) 2-Butanone	4.764	43	1309639	8.451	ppbv	98
35) Carbon Tetrachloride	6.475	117	1783195	10.050	ppbv	98
36) Benzene	6.349	78	2228797	8.736	ppbv	100
37) 1,2-Dichloroethane	5.787	62	1322699	8.838	ppbv	99
38) Trichloroethene	7.272	130	1302947	9.938	ppbv	99
39) 1,2-Dichloropropane	7.054	63	828600	8.665	ppbv	97
40) 1,4-Dioxane	7.269	88	338470	7.853	ppbv #	1
41) Tetrahydrofuran	5.536	42	837050	8.654	ppbv	99
42) Bromodichloromethane	7.230	83	1906729	9.300	ppbv	99
43) Methyl Methacrylate	7.455	69	880016	9.191	ppbv	100
44) 2,2,4-Trimethylpentane	7.308	57	3612117	8.600	ppbv	100
45) t-1,3-Dichloropropene	8.693	75	840698	10.389	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040029.D
 Acq On : 19 Dec 2022 15:31
 Operator : SY/MD
 Sample : VL1219ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1219ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2022
 Supervised By :Mahesh Dadoda 12/20/2022

Quant Time: Dec 20 04:59:10 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 19 2022

QLast Update : Tue Dec 20 04:50:21 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.124	75	1132967	9.927	ppbv	99
47) 1,1,2-Trichloroethane	8.883	97	897425	8.570	ppbv	99
48) Dibromochloromethane	9.693	129	1508572	9.472	ppbv	99
49) Bromoform	12.394	173	1110024	9.137	ppbv	99
50) 4-Methyl-2-Pentanone	8.163	43	2218884	8.765	ppbv	100
51) 2-Hexanone	9.533	43	1717644	8.722	ppbv #	100
52) Tetrachloroethene	10.597	164	757854	8.737	ppbv	98
53) Toluene	9.201	91	2516051	8.908	ppbv	100
54) 1,2-Dibromoethane	9.989	107	1030481	9.138	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.494	131	1067579	8.451	ppbv	99
57) Chlorobenzene	11.513	112	1896841	8.159	ppbv	99
58) Ethyl Benzene	12.073	91	3328258	8.554	ppbv	98
59) m/p-Xylene	12.356	91	5624872m	16.594	ppbv	
60) o-Xylene	13.044	91	2666944	8.212	ppbv	99
61) Styrene	12.883	104	1554552	8.925	ppbv	99
62) Isopropylbenzene	14.015	105	3716682	7.938	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.031	83	858662	7.212	ppbv	99
64) n-propylbenzene	14.902	120	950776	8.040	ppbv	100
65) tert-Butylbenzene	16.076	119	3177550	7.810	ppbv	99
66) Benzyl Chloride	16.317	91	200199	8.438	ppbv	99
67) sec-Butylbenzene	16.622	105	4396906	7.712	ppbv	100
69) p-Isopropyltoluene	16.982	119	3593079	7.889	ppbv	100
70) n-Butylbenzene	17.870	91	3746901	7.852	ppbv	100
71) 2-Chlorotoluene	14.786	91	2799411	7.837	ppbv	99
72) 4-Ethyltoluene	15.179	105	2929456	8.124	ppbv	99
73) 1,3,5-Trimethylbenzene	15.336	105	2601561	8.000	ppbv	97
74) 1,2,4-Trimethylbenzene	16.095	105	2804729	7.824	ppbv	94
75) 1,3-Dichlorobenzene	16.317	146	1564478	7.976	ppbv	99
76) 1,4-Dichlorobenzene	16.462	146	1514401	7.909	ppbv	99
77) 1,2-Dichlorobenzene	17.127	146	1463393	7.780	ppbv	99
78) Hexachloro-1,3-Butadiene	22.619	225	1074758	8.236	ppbv #	100
79) Naphthalene	21.368	128	2285492	10.701	ppbv	99
80) Naphthalene,2-methyl-	24.365	142	515033	7.881	ppbv	99
81) 1,2,4-Trichlorobenzene	21.124	180	1155418	9.107	ppbv	99

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

