

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071322\
 Data File : VL039471.D
 Acq On : 13 Jul 2022 19:04
 Operator : SY/AP
 Sample : VL0712ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0713ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/14/2022
 Supervised By : Mahesh Dadoda 07/14/2022

Quant Time: Jul 14 01:23:37 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 13 2022

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.677	49	1253201	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.185	114	3495564	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.095	117	3385788m	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.423 95 2606685 10.378 ppbv 0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.800%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	3.057	85	2334806	12.916 ppbv	98
3) Chlorodifluoromethane	2.999	51	1419031	8.925 ppbv	98
4) Chloromethane	3.150	50	831403	9.561 ppbv	97
5) Vinyl Chloride	3.266	62	747296	8.715 ppbv	96
6) Bromomethane	3.485	94	315084	8.731 ppbv	99
7) Chloroethane	3.568	64	262334	8.601 ppbv	96
8) Dichlorotetrafluoroethane	3.198	85	1806698	9.150 ppbv	99
9) Propene	3.018	41	677149	9.431 ppbv	98
10) Heptane	8.131	43	1660088	9.871 ppbv	99
11) Trichlorofluoromethane	3.960	101	1739669	8.636 ppbv	99
12) 1,1,2-Trichlorotrifluoro...	4.494	101	1275553	8.495 ppbv	98
13) Ethanol	3.616	45	24496	5.880 ppbv	89
14) Bromoethene	3.748	108	577075	9.141 ppbv	98
15) Acetone	3.854	43	1328550	8.961 ppbv	100
16) 1,3-Butadiene	3.337	39	731395	9.507 ppbv	99
17) tert-Butyl alcohol	4.288	59	1207566	9.596 ppbv	99
18) 1,1-Dichloroethene	4.298	96	601387	8.840 ppbv	96
19) Isopropyl Alcohol	3.967	45	657230	8.311 ppbv #	97
20) Methylene Chloride	4.353	84	497526	8.419 ppbv	98
21) Allyl Chloride	4.420	41	964184	9.389 ppbv	97
22) trans-1,2-Dichloroethene	4.893	96	589679	8.955 ppbv	95
23) Vinyl Acetate	5.079	43	1120865	11.312 ppbv	97
24) 1,1-Dichloroethane	5.018	63	1446956	10.340 ppbv	98
25) Ethyl Acetate	5.684	43	3001127	9.872 ppbv	100
26) Hexane	5.697	57	1273459	10.392 ppbv	98
27) Carbon Disulfide	4.558	76	1424299	9.629 ppbv	100
28) Methyl tert-Butyl Ether	5.041	73	1399665	10.683 ppbv	97
29) Chloroform	5.761	83	1945001	9.128 ppbv	97
30) Cyclohexane	7.140	84	1095810	9.822 ppbv	99
31) cis-1,2-Dichloroethene	5.558	61	1242052	9.552 ppbv	99
32) 1,1,1-Trichloroethane	6.520	97	1936751	9.208 ppbv	100
34) 2-Butanone	5.250	43	1751513	9.954 ppbv	100
35) Carbon Tetrachloride	7.028	117	2022315	9.363 ppbv	97
36) Benzene	6.899	78	2635983	9.743 ppbv	98
37) 1,2-Dichloroethane	6.314	62	1472067	9.219 ppbv	100
38) Trichloroethene	7.848	130	1353651	9.251 ppbv	98
39) 1,2-Dichloropropane	7.626	63	978737	9.684 ppbv	97
40) 1,4-Dioxane	7.841	88	305580	7.587 ppbv #	1
41) Tetrahydrofuran	6.057	42	1058660	10.382 ppbv	98
42) Bromodichloromethane	7.799	83	2108430	9.793 ppbv	99
43) Methyl Methacrylate	8.025	69	1079500	10.494 ppbv	99
44) 2,2,4-Trimethylpentane	7.880	57	4362258	9.515 ppbv	99
45) t-1,3-Dichloropropene	9.285	75	1075456	11.742 ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071322\
 Data File : VL039471.D
 Acq On : 13 Jul 2022 19:04
 Operator : SY/AP
 Sample : VL0712ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0713ABS01

Quant Time: Jul 14 01:23:37 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 6

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/14/2022
 Supervised By :Mahesh Dadoda 07/14/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.713	75	1402515	11.125	ppbv	97
47) 1,1,2-Trichloroethane	9.484	97	1093228	9.640	ppbv	97
48) Dibromochloromethane	10.314	129	1874701	10.401	ppbv	100
49) Bromoform	13.050	173	1606135	11.046	ppbv	98
50) 4-Methyl-2-Pentanone	8.745	43	2782160	10.457	ppbv	99
51) 2-Hexanone	10.137	43	2148413	10.675	ppbv #	99
52) Tetrachloroethene	11.233	164	1027855	9.438	ppbv	98
53) Toluene	9.815	91	3166313	10.146	ppbv	99
54) 1,2-Dibromoethane	10.623	107	1426796	10.111	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.134	131	1377772	9.211	ppbv	95
57) Chlorobenzene	12.156	112	2397483	9.133	ppbv	98
58) Ethyl Benzene	12.719	91	4230764	9.677	ppbv	98
59) m/p-Xylene	13.005	91	7166121m	18.592	ppbv	
60) o-Xylene	13.700	91	3443302	9.434	ppbv	100
61) Styrene	13.536	104	2091234	10.577	ppbv	100
62) Isopropylbenzene	14.674	105	5117947	9.208	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.684	83	1655149	8.652	ppbv	100
64) n-propylbenzene	15.568	120	1341158	9.520	ppbv	98
65) tert-Butylbenzene	16.751	119	4638528	9.031	ppbv	99
66) Benzyl Chloride	16.992	91	518299	10.620	ppbv	100
67) sec-Butylbenzene	17.301	105	6341672	9.167	ppbv	99
69) p-Isopropyltoluene	17.658	119	5488616	9.351	ppbv	99
70) n-Butylbenzene	18.555	91	5355006	9.399	ppbv	100
71) 2-Chlorotoluene	15.462	91	3783369	9.511	ppbv	99
72) 4-Ethyltoluene	15.844	105	4191312	9.767	ppbv	99
73) 1,3,5-Trimethylbenzene	16.005	105	3767363	9.559	ppbv	99
74) 1,2,4-Trimethylbenzene	16.770	105	4026918	9.236	ppbv	98
75) 1,3-Dichlorobenzene	17.002	146	2399557	9.227	ppbv	99
76) 1,4-Dichlorobenzene	17.146	146	2357830	9.147	ppbv	99
77) 1,2-Dichlorobenzene	17.825	146	2334078	9.054	ppbv	99
78) Hexachloro-1,3-Butadiene	23.381	225	1670484	8.057	ppbv	99
79) Naphthalene	22.201	128	3228265	10.759	ppbv	99
80) Naphthalene,2-methyl-	24.972	142	1060905	10.389	ppbv	99
81) 1,2,4-Trichlorobenzene	21.931	180	1867138	9.554	ppbv	99

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

