

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051322\
 Data File : VL039038.D
 Acq On : 13 May 2022 14:59
 Operator : SY/AP
 Sample : VL0513ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0513ABS01

Quant Time: May 14 00:53:20 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 14 00:53:20 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/16/2022
 Supervised By : Mahesh Dadoda 05/17/2022

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

Internal Standards						
1) Bromochloromethane	5.649	49	904332	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.157	114	2248486	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.060	117	1910854m	10.000	ppbv	-0.02

System Monitoring Compounds
 68) 1-Bromo-4-Fluorobenzene 14.388 95 1613630 10.663 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.044	85	1390577	9.814	ppbv	97
3) Chlorodifluoromethane	2.983	51	1137724	10.139	ppbv	100
4) Chloromethane	3.134	50	572306	10.184	ppbv	100
5) Vinyl Chloride	3.250	62	565437	11.019	ppbv	95
6) Bromomethane	3.465	94	285684	11.785	ppbv	90
7) Chloroethane	3.549	64	192123	11.186	ppbv	99
8) Dichlorotetrafluoroethane	3.179	85	1416111	11.027	ppbv	99
9) Propene	3.002	41	492957	10.059	ppbv	96
10) Heptane	8.099	43	1247089	10.373	ppbv	99
11) Trichlorofluoromethane	3.938	101	1333807	10.971	ppbv	98
12) 1,1,2-Trichlorotrifluoro...	4.472	101	927366	11.073	ppbv	99
13) Ethanol	3.600	45	33612m	9.692	ppbv	
14) Bromoethene	3.732	108	414474	12.002	ppbv	96
15) Acetone	3.835	43	919645	10.781	ppbv	99
16) 1,3-Butadiene	3.321	39	527795	10.769	ppbv	100
17) tert-Butyl alcohol	4.266	59	726226	11.077	ppbv	98
18) 1,1-Dichloroethene	4.279	96	409350	11.357	ppbv	96
19) Isopropyl Alcohol	3.948	45	474804	11.706	ppbv #	96
20) Methylene Chloride	4.330	84	337284	10.490	ppbv	97
21) Allyl Chloride	4.398	41	643340	11.067	ppbv	100
22) trans-1,2-Dichloroethene	4.874	96	433013	11.122	ppbv	96
23) Vinyl Acetate	5.054	43	791435	11.726	ppbv #	98
24) 1,1-Dichloroethane	4.996	63	821419	10.569	ppbv	99
25) Ethyl Acetate	5.655	43	2184844	10.701	ppbv	99
26) Hexane	5.671	57	962733	10.612	ppbv	97
27) Carbon Disulfide	4.539	76	1029203	11.943	ppbv	98
28) Methyl tert-Butyl Ether	5.018	73	775073	11.229	ppbv	100
29) Chloroform	5.735	83	1597600	10.885	ppbv	97
30) Cyclohexane	7.112	84	804073	10.586	ppbv	96
31) cis-1,2-Dichloroethene	5.533	61	1001182	10.833	ppbv	97
32) 1,1,1-Trichloroethane	6.491	97	1604568	10.933	ppbv	99
34) 2-Butanone	5.224	43	1307119	11.395	ppbv	97
35) Carbon Tetrachloride	7.002	117	1642809	11.089	ppbv	99
36) Benzene	6.870	78	1967251	10.224	ppbv	99
37) 1,2-Dichloroethane	6.288	62	1262312	10.603	ppbv	100
38) Trichloroethene	7.812	130	865011	10.112	ppbv	94
39) 1,2-Dichloropropane	7.591	63	770917	10.297	ppbv	95
40) 1,4-Dioxane	7.809	88	279611	10.398	ppbv #	1
41) Tetrahydrofuran	6.031	42	795742	10.321	ppbv	99
42) Bromodichloromethane	7.771	83	1746035	10.727	ppbv	99
43) Methyl Methacrylate	7.992	69	826184	10.576	ppbv	99
44) 2,2,4-Trimethylpentane	7.851	57	3361176	9.955	ppbv	100
45) t-1,3-Dichloropropene	9.256	75	953409	12.608	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051322\
 Data File : VL039038.D
 Acq On : 13 May 2022 14:59
 Operator : SY/AP
 Sample : VL0513ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0513ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/16/2022
 Supervised By :Mahesh Dadoda 05/17/2022

Quant Time: May 14 00:53:20 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LThu May 05 10:12:15 2022

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.681	75	1151357	11.482	ppbv	98
47) 1,1,2-Trichloroethane	9.452	97	807907	10.375	ppbv	98
48) Dibromochloromethane	10.282	129	1416473	11.176	ppbv	100
49) Bromoform	13.015	173	1112451	11.509	ppbv	98
50) 4-Methyl-2-Pentanone	8.716	43	2082817	10.355	ppbv	99
51) 2-Hexanone	10.105	43	1671320	11.384	ppbv #	100
52) Tetrachloroethene	11.201	164	686364	9.982	ppbv	96
53) Toluene	9.783	91	2267843	10.515	ppbv	100
54) 1,2-Dibromoethane	10.587	107	1156843	10.913	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.102	131	972457	11.599	ppbv	99
57) Chlorobenzene	12.121	112	1613886	11.267	ppbv	98
58) Ethyl Benzene	12.687	91	3099031	11.269	ppbv	97
59) m/p-Xylene	12.970	91	5319830m	22.660	ppbv	
60) o-Xylene	13.664	91	2478139	11.215	ppbv	100
61) Styrene	13.500	104	1422724	12.061	ppbv	99
62) Isopropylbenzene	14.639	105	3609235	11.170	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.648	83	1426280	10.962	ppbv	100
64) n-propylbenzene	15.532	120	912866	11.685	ppbv	99
65) tert-Butylbenzene	16.719	119	3165408	11.181	ppbv	99
66) Benzyl Chloride	16.963	91	550076	14.864	ppbv	98
67) sec-Butylbenzene	17.265	105	4512067	11.155	ppbv	99
69) p-Isopropyltoluene	17.626	119	3723824	11.396	ppbv	99
70) n-Butylbenzene	18.519	91	4000820	11.524	ppbv	100
71) 2-Chlorotoluene	15.423	91	2799468	11.238	ppbv	99
72) 4-Ethyltoluene	15.812	105	2953605	11.731	ppbv	99
73) 1,3,5-Trimethylbenzene	15.970	105	2635914	11.629	ppbv	97
74) 1,2,4-Trimethylbenzene	16.735	105	2837564	11.433	ppbv	97
75) 1,3-Dichlorobenzene	16.966	146	1577159	11.598	ppbv	99
76) 1,4-Dichlorobenzene	17.111	146	1598997m	11.953	ppbv	
77) 1,2-Dichlorobenzene	17.786	146	1529521	11.373	ppbv	99
78) Hexachloro-1,3-Butadiene	23.342	225	1238813	10.022	ppbv	99
79) Naphthalene	22.159	128	2598814	12.891	ppbv	99
80) Naphthalene,2-methyl-	24.940	142	837754	13.737	ppbv	97
81) 1,2,4-Trichlorobenzene	21.892	180	1379227	11.675	ppbv	99

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

