

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032422\
 Data File : VL038751.D
 Acq On : 24 Mar 2022 17:05
 Operator : SY/AP
 Sample : VL0324ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0324ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2022
 Supervised By :Mahesh Dadoda 03/28/2022

Quant Time: Mar 26 09:53:08 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122A

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	866100	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	2332805	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	2160569m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1723843	10.41	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	1068746	9.18	ppbv	100
3) Chlorodifluoromethane	3.00	51	836593	9.15	ppbv	97
4) Chloromethane	3.15	50	448935	8.94	ppbv	97
5) Vinyl Chloride	3.27	62	476806	9.34	ppbv	99
6) Bromomethane	3.48	94	272140	10.00	ppbv	97
7) Chloroethane	3.57	64	171002	10.12	ppbv	99
8) Dichlorotetrafluoroethane	3.20	85	1165081	10.02	ppbv	99
9) Propene	3.02	41	359764	8.15	ppbv	99
10) Heptane	8.13	43	944525	8.95	ppbv	98
11) Trichlorofluoromethane	3.96	101	1115550	10.86	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.50	101	855005	10.81	ppbv	100
13) Ethanol	3.62	45	36972m	7.59	ppbv	
14) Bromoethene	3.75	108	384483	10.94	ppbv	96
15) Acetone	3.86	43	751839	10.06	ppbv	99
16) 1,3-Butadiene	3.34	39	417984	9.86	ppbv	99
17) tert-Butyl alcohol	4.29	59	756409	11.59	ppbv	100
18) 1,1-Dichloroethene	4.30	96	377237	10.62	ppbv	98
19) Isopropyl Alcohol	3.97	45	421358	10.17	ppbv	99
20) Methylene Chloride	4.36	84	311844	9.91	ppbv	96
21) Allyl Chloride	4.42	41	586938	10.91	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	418472	11.35	ppbv	97
23) Vinyl Acetate	5.08	43	848175	11.72	ppbv	99
24) 1,1-Dichloroethane	5.02	63	767243	10.77	ppbv	99
25) Ethyl Acetate	5.69	43	1736466	9.23	ppbv	99
26) Hexane	5.70	57	776861	9.22	ppbv	99
27) Carbon Disulfide	4.56	76	990636	11.99	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	730915	11.65	ppbv	99
29) Chloroform	5.76	83	1297330	9.62	ppbv	99
30) Cyclohexane	7.14	84	674490	9.21	ppbv	96
31) cis-1,2-Dichloroethene	5.56	61	785780	9.92	ppbv	100
32) 1,1,1-Trichloroethane	6.52	97	1313312	10.09	ppbv	99
34) 2-Butanone	5.25	43	860371	9.32	ppbv	97
35) Carbon Tetrachloride	7.03	117	1388698	10.26	ppbv	100
36) Benzene	6.90	78	1629179	9.05	ppbv	99
37) 1,2-Dichloroethane	6.32	62	912197	9.96	ppbv	98
38) Trichloroethene	7.84	130	729582	9.67	ppbv	99
39) 1,2-Dichloropropane	7.62	63	610843	8.68	ppbv	96
40) 1,4-Dioxane	7.84	88	213152	8.72	ppbv #	1
41) Tetrahydrofuran	6.06	42	598825	8.71	ppbv	95
42) Bromodichloromethane	7.80	83	1407537	10.25	ppbv	100
43) Methyl Methacrylate	8.02	69	659366	9.86	ppbv	96

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument:

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	2635177	8.72	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	773991	11.39	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	958052	10.42	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	660054	8.78	ppbv	98
48) Dibromochloromethane	10.31	129	1207357	10.26	ppbv	99
49) Bromoform	13.05	173	975766	10.17	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	1557323	9.07	ppbv	98
51) 2-Hexanone	10.14	43	1181792	9.58	ppbv #	99
52) Tetrachloroethene	11.23	164	594621	9.03	ppbv	97
53) Toluene	9.82	91	1864005	9.64	ppbv	98
54) 1,2-Dibromoethane	10.62	107	983776	9.59	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	835854	9.33	ppbv #	58
57) Chlorobenzene	12.16	112	1373050	8.81	ppbv	97
58) Ethyl Benzene	12.72	91	2393504	9.48	ppbv	100
59) m/p-Xylene	13.01	91	4094449m	18.53	ppbv	
60) o-Xylene	13.70	91	1940540	9.25	ppbv	100
61) Styrene	13.54	104	1138448	10.01	ppbv	97
62) Isopropylbenzene	14.68	105	2824638	8.96	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	1248069	7.68	ppbv	99
64) n-propylbenzene	15.57	120	750438	9.07	ppbv	97
65) tert-Butylbenzene	16.75	119	2542411	8.97	ppbv	98
66) Benzyl Chloride	17.00	91	650136	12.12	ppbv	100
67) sec-Butylbenzene	17.30	105	3615983	8.92	ppbv	100
69) p-Isopropyltoluene	17.66	119	3009084	9.10	ppbv	99
70) n-Butylbenzene	18.56	91	3150795	9.24	ppbv	99
71) 2-Chlorotoluene	15.46	91	2100492	8.97	ppbv	100
72) 4-Ethyltoluene	15.84	105	2306167	9.31	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	2055826	9.11	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	2240779	9.12	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	1356948	8.67	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	1326309	8.52	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	1333937	8.60	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1235089	8.62	ppbv	99
79) Naphthalene	22.20	128	2223131	11.84	ppbv	99
80) Naphthalene,2-methyl-	24.98	142	438102	8.70	ppbv	98
81) 1,2,4-Trichlorobenzene	21.93	180	1275925	9.93	ppbv	100

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

