

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020322\
 Data File : VL038329.D
 Acq On : 3 Feb 2022 11:22
 Operator : SY/AP
 Sample : VL0203ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0203ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/04/2022
 Supervised By : Mahesh Dadoda 02/04/2022

Quant Time: Feb 04 08:51:58 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422A

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

QLast Update : Mon Jan 24 14:12:48 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	880326	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2492465	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	2329994m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1841484	10.41	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	1816581	9.694	ppbv	100
3) Chlorodifluoromethane	2.98	51	1536420	8.767	ppbv	99
4) Chloromethane	3.13	50	512956	8.508	ppbv	99
5) Vinyl Chloride	3.25	62	534740	8.886	ppbv	98
6) Bromomethane	3.47	94	305576	9.393	ppbv	96
7) Chloroethane	3.55	64	179094	8.811	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	1269999	8.758	ppbv	96
9) Propene	3.01	41	516773	9.058	ppbv	99
10) Heptane	8.10	43	1321771	9.005	ppbv	100
11) Trichlorofluoromethane	3.94	101	1282813	8.787	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	915886	8.299	ppbv	95
13) Ethanol	3.59	45	28559	4.663	ppbv #	1
14) Bromoethene	3.73	108	403965	9.368	ppbv	99
15) Acetone	3.84	43	653720	8.424	ppbv	100
16) 1,3-Butadiene	3.32	39	495739	8.902	ppbv	99
17) tert-Butyl alcohol	4.28	59	759924	8.922	ppbv	99
18) 1,1-Dichloroethene	4.28	96	418003	8.710	ppbv	96
19) Isopropyl Alcohol	3.95	45	423750	8.729	ppbv #	96
20) Methylene Chloride	4.33	84	332599	7.369	ppbv	98
21) Allyl Chloride	4.40	41	635533	9.256	ppbv	100
22) trans-1,2-Dichloroethene	4.87	96	442616	8.926	ppbv	99
23) Vinyl Acetate	5.06	43	1021040	9.049	ppbv	99
24) 1,1-Dichloroethane	5.00	63	869786	8.653	ppbv	100
25) Ethyl Acetate	5.66	43	2096343	9.648	ppbv	100
26) Hexane	5.67	57	954278	9.443	ppbv	99
27) Carbon Disulfide	4.54	76	1024513	8.665	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	943882	9.003	ppbv	99
29) Chloroform	5.74	83	1552785	9.413	ppbv	100
30) Cyclohexane	7.11	84	821965	9.341	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	980626	11.124	ppbv	99
32) 1,1,1-Trichloroethane	6.49	97	1541426	9.355	ppbv	99
34) 2-Butanone	5.23	43	713737	8.757	ppbv	99
35) Carbon Tetrachloride	7.00	117	1593892	9.110	ppbv	98
36) Benzene	6.87	78	2053107	9.313	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1165243	9.227	ppbv	99
38) Trichloroethene	7.82	130	757092	9.219	ppbv	98
39) 1,2-Dichloropropane	7.60	63	810700	9.070	ppbv	98
40) 1,4-Dioxane	7.81	88	202301	9.403	ppbv	70
41) Tetrahydrofuran	6.03	42	526518	9.609	ppbv	99
42) Bromodichloromethane	7.77	83	1719532	9.178	ppbv	99
43) Methyl Methacrylate	8.00	69	776048	9.952	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020322\
 Data File : VL038329.D
 Acq On : 3 Feb 2022 11:22
 Operator : SY/AP
 Sample : VL0203ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0203ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/04/2022
 Supervised By : Mahesh Dadoda 02/04/2022

Quant Time: Feb 04 08:51:58 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422A

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

QLast Update : Mon Jan 24 14:12:48 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3382758	8.706	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	692767	10.934	ppbv	97
46) cis-1,3-Dichloropropene	8.68	75	863610	10.216	ppbv	99
47) 1,1,2-Trichloroethane	9.45	97	810478	9.228	ppbv	97
48) Dibromochloromethane	10.28	129	1397681	9.453	ppbv	99
49) Bromoform	13.02	173	1057374	9.919	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	1361325	9.362	ppbv	100
51) 2-Hexanone	10.11	43	614312	9.593	ppbv #	96
52) Tetrachloroethene	11.20	164	678963	8.936	ppbv	97
53) Toluene	9.79	91	2325577	9.530	ppbv	98
54) 1,2-Dibromoethane	10.59	107	1210737	9.696	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	895079	8.777	ppbv	96
57) Chlorobenzene	12.12	112	1652516	8.863	ppbv	98
58) Ethyl Benzene	12.69	91	3064637	8.950	ppbv	99
59) m/p-Xylene	12.97	91	5161359m	17.667	ppbv	
60) o-Xylene	13.67	91	2402121	8.840	ppbv	100
61) Styrene	13.50	104	1282100	10.110	ppbv	99
62) Isopropylbenzene	14.65	105	3224348	8.901	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	1731731	8.613	ppbv	100
64) n-propylbenzene	15.54	120	835217	9.585	ppbv	98
65) tert-Butylbenzene	16.73	119	2788839	9.348	ppbv	99
66) Benzyl Chloride	16.97	91	158122	11.667	ppbv	96
67) sec-Butylbenzene	17.27	105	3897226	9.390	ppbv	99
69) p-Isopropyltoluene	17.63	119	3137663	9.879	ppbv	100
70) n-Butylbenzene	18.53	91	3127105	10.052	ppbv	100
71) 2-Chlorotoluene	15.43	91	2521904	9.400	ppbv	100
72) 4-Ethyltoluene	15.82	105	2801359	9.859	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	2469935	9.666	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	2553240	9.484	ppbv	93
75) 1,3-Dichlorobenzene	16.97	146	1430159	9.899	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	1373770	9.822	ppbv	98
77) 1,2-Dichlorobenzene	17.79	146	1303713	9.716	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	708553	7.595	ppbv	99
79) Naphthalene	22.17	128	1300718	10.334	ppbv	99
80) Naphthalene,2-methyl-	24.95	142	251491	18.373	ppbv	97
81) 1,2,4-Trichlorobenzene	21.90	180	700994	9.469	ppbv	99

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

