

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060722\
 Data File : VL039222.D
 Acq On : 7 Jun 2022 23:35
 Operator : SY/AP
 Sample : N3214-14 0.5 LOQ
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 LOQ-AIR-02-QT2-2022

Manual Integrations
 APPROVED

Quant Time: Jun 08 07:13:09 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122A

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

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

Reviewed By : Semsettin Yesilyurt 06/10/2022
 Supervised By : Mahesh Dadoda 06/10/2022

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	668144	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1570375	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	1326397	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1245719	11.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	113.60%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.06	85	114514	0.976	ppbv	97
3) Chlorodifluoromethane	3.00	51	63545	0.747	ppbv	93
4) Chloromethane	3.15	50	33404m	0.765	ppbv	
5) Vinyl Chloride	3.27	62	30197	0.740	ppbv	99
6) Bromomethane	3.48	94	18119m	0.902	ppbv	
7) Chloroethane	3.57	64	13067m	0.919	ppbv	
8) Dichlorotetrafluoroethane	3.20	85	83886	0.782	ppbv	100
9) Propene	3.02	41	23730m	0.640	ppbv	
10) Heptane	8.13	43	45123m	0.522	ppbv	
11) Trichlorofluoromethane	3.96	101	105838	0.996	ppbv	89
12) 1,1,2-Trichlorotrifluoroet	4.49	101	63140	0.899	ppbv	98
13) Ethanol	3.62	45	2044m	1.011	ppbv	
14) Bromoethene	3.75	108	24241m	0.768	ppbv	
15) Acetone	3.87	43	63000m	0.905	ppbv	
16) 1,3-Butadiene	3.34	39	30196m	0.807	ppbv	
17) tert-Butyl alcohol	4.31	59	45983m	0.852	ppbv	
18) 1,1-Dichloroethene	4.29	96	30334m	0.963	ppbv	
19) Isopropyl Alcohol	4.00	45	24116m	0.739	ppbv	
20) Methylene Chloride	4.35	84	32248m	1.099	ppbv	
21) Allyl Chloride	4.41	41	33927	0.723	ppbv #	83
22) trans-1,2-Dichloroethene	4.89	96	24133	0.796	ppbv	98
23) Vinyl Acetate	5.08	43	41466m	0.720	ppbv	
24) 1,1-Dichloroethane	5.02	63	63456	0.804	ppbv	97
25) Ethyl Acetate	5.69	43	97159m	0.619	ppbv	
26) Hexane	5.69	57	36789	0.534	ppbv #	69
27) Carbon Disulfide	4.56	76	45440	0.636	ppbv	98
28) Methyl tert-Butyl Ether	5.05	73	53042	0.697	ppbv	94
29) Chloroform	5.75	83	83219	0.717	ppbv	86
30) Cyclohexane	7.13	84	34353m	0.593	ppbv	
31) cis-1,2-Dichloroethene	5.55	61	41456	0.590	ppbv #	79
32) 1,1,1-Trichloroethane	6.51	97	81148m	0.715	ppbv	
34) 2-Butanone	5.26	43	52189	0.612	ppbv	98
35) Carbon Tetrachloride	7.02	117	78440	0.684	ppbv #	80
36) Benzene	6.90	78	73958	0.580	ppbv	96
37) 1,2-Dichloroethane	6.31	62	68380m	0.815	ppbv	
38) Trichloroethene	7.84	130	36566m	0.624	ppbv	
39) 1,2-Dichloropropane	7.62	63	30824m	0.608	ppbv	
40) 1,4-Dioxane	7.88	88	10517m	0.630	ppbv	
41) Tetrahydrofuran	6.08	42	29670m	0.578	ppbv	
42) Bromodichloromethane	7.79	83	73842	0.634	ppbv #	98
43) Methyl Methacrylate	8.02	69	27654m	0.557	ppbv	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	134279m	0.602	ppbv	
45) t-1,3-Dichloropropene	9.28	75	25529m	0.494	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	33855m	0.496	ppbv	
47) 1,1,2-Trichloroethane	9.47	97	34970m	0.661	ppbv	
48) Dibromochloromethane	10.30	129	52382m	0.555	ppbv	
49) Bromoform	13.03	173	38352m	0.487	ppbv	
50) 4-Methyl-2-Pentanone	8.76	43	72296m	0.566	ppbv	
51) 2-Hexanone	10.16	43	48647m	0.490	ppbv	
52) Tetrachloroethene	11.22	164	28496m	0.572	ppbv	
53) Toluene	9.81	91	75737	0.516	ppbv	98
54) 1,2-Dibromoethane	10.61	107	41784m	0.588	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.12	131	43878m	0.699	ppbv	
57) Chlorobenzene	12.14	112	66299	0.664	ppbv #	89
58) Ethyl Benzene	12.72	91	113407	0.621	ppbv	94
59) m/p-Xylene	13.00	91	216071m	1.343	ppbv	
60) o-Xylene	13.70	91	101669m	0.672	ppbv	
61) Styrene	13.53	104	43741m	0.540	ppbv	
62) Isopropylbenzene	14.67	105	149505m	0.665	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.68	83	55903m	0.659	ppbv	
64) n-propylbenzene	15.55	120	33747m	0.611	ppbv	
65) tert-Butylbenzene	16.75	119	134960m	0.657	ppbv	
66) Benzyl Chloride	16.99	91	14014m	0.525	ppbv	
67) sec-Butylbenzene	17.29	105	186600m	0.666	ppbv	
69) p-Isopropyltoluene	17.65	119	145897m	0.617	ppbv	
70) n-Butylbenzene	18.55	91	146288	0.603	ppbv	98
71) 2-Chlorotoluene	15.45	91	102204	0.596	ppbv	99
72) 4-Ethyltoluene	15.84	105	100274	0.566	ppbv #	95
73) 1,3,5-Trimethylbenzene	16.00	105	95736	0.599	ppbv	86
74) 1,2,4-Trimethylbenzene	16.76	105	117607m	0.659	ppbv	
75) 1,3-Dichlorobenzene	17.00	146	66938m	0.663	ppbv	
76) 1,4-Dichlorobenzene	17.13	146	64565m	0.641	ppbv	
77) 1,2-Dichlorobenzene	17.81	146	66131m	0.650	ppbv	
78) Hexachloro-1,3-Butadiene	23.37	225	62176m	0.668	ppbv	
79) Naphthalene	22.19	128	63096m	0.460	ppbv	
80) Naphthalene,2-methyl-	24.98	142	10875m	0.213	ppbv	
81) 1,2,4-Trichlorobenzene	21.93	180	41065m	0.472	ppbv	

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

