

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060722\
 Data File : VL039218.D
 Acq On : 7 Jun 2022 20:55
 Operator : SY/AP
 Sample : N3214-13 0.1 LOD
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2022

Manual Integrations
 APPROVED

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

Quant Time: Jun 08 06:49:30 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	767574	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1821308	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	1515139	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1302947	10.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	28025	0.208	ppbv	99
3) Chlorodifluoromethane	3.00	51	14706	0.151	ppbv #	87
4) Chloromethane	3.14	50	8856	0.177	ppbv #	77
5) Vinyl Chloride	3.26	62	7640m	0.163	ppbv	
6) Bromomethane	3.47	94	4065m	0.176	ppbv	
7) Chloroethane	3.56	64	2943m	0.180	ppbv	
8) Dichlorotetrafluoroethane	3.19	85	22216	0.180	ppbv	91
9) Propene	3.02	41	11667m	0.274	ppbv	
10) Heptane	8.12	43	11102m	0.112	ppbv	
11) Trichlorofluoromethane	3.95	101	24894m	0.204	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.48	101	16094m	0.199	ppbv	
13) Ethanol	3.61	45	989	0.426	ppbv #	100
14) Bromoethene	3.74	108	6639m	0.183	ppbv	
15) Acetone	3.87	43	22799m	0.285	ppbv	
16) 1,3-Butadiene	3.33	39	8384m	0.195	ppbv	
17) tert-Butyl alcohol	4.32	59	9212m	0.149	ppbv	
18) 1,1-Dichloroethene	4.29	96	8281m	0.229	ppbv	
19) Isopropyl Alcohol	3.99	45	6835m	0.182	ppbv	
20) Methylene Chloride	4.34	84	11771m	0.349	ppbv	
21) Allyl Chloride	4.42	41	8772m	0.163	ppbv	
22) trans-1,2-Dichloroethene	4.90	96	5514m	0.158	ppbv	
23) Vinyl Acetate	5.08	43	10117m	0.153	ppbv	
24) 1,1-Dichloroethane	5.01	63	15360m	0.169	ppbv	
25) Ethyl Acetate	5.69	43	28332m	0.157	ppbv	
26) Hexane	5.68	57	13072m	0.165	ppbv	
27) Carbon Disulfide	4.56	76	10246m	0.125	ppbv	
28) Methyl tert-Butyl Ether	5.05	73	12793m	0.146	ppbv	
29) Chloroform	5.75	83	22423m	0.168	ppbv	
30) Cyclohexane	7.13	84	13644m	0.205	ppbv	
31) cis-1,2-Dichloroethene	5.56	61	11344m	0.140	ppbv	
32) 1,1,1-Trichloroethane	6.51	97	20113m	0.154	ppbv	
34) 2-Butanone	5.26	43	15678m	0.158	ppbv	
35) Carbon Tetrachloride	7.02	117	19239m	0.145	ppbv	
36) Benzene	6.89	78	21018	0.142	ppbv #	94
37) 1,2-Dichloroethane	6.31	62	17000m	0.175	ppbv	
38) Trichloroethene	7.83	130	9219m	0.136	ppbv	
39) 1,2-Dichloropropane	7.61	63	10134m	0.172	ppbv	
40) 1,4-Dioxane	7.89	88	3282m	0.170	ppbv	
41) Tetrahydrofuran	6.10	42	8177m	0.137	ppbv	
42) Bromodichloromethane	7.79	83	15974m	0.118	ppbv	
43) Methyl Methacrylate	8.02	69	7580m	0.132	ppbv	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	36284m	0.140	ppbv	
45) t-1,3-Dichloropropene	9.28	75	5525m	0.092	ppbv	
46) cis-1,3-Dichloropropene	8.70	75	7512m	0.095	ppbv	
47) 1,1,2-Trichloroethane	9.48	97	9064m	0.148	ppbv	
48) Dibromochloromethane	10.31	129	9945m	0.091	ppbv	
49) Bromoform	13.04	173	6563m	0.072	ppbv	
50) 4-Methyl-2-Pentanone	8.77	43	18353m	0.124	ppbv	
51) 2-Hexanone	10.17	43	12296m	0.107	ppbv	
52) Tetrachloroethene	11.21	164	7841m	0.136	ppbv	
53) Toluene	9.81	91	21157m	0.124	ppbv	
54) 1,2-Dibromoethane	10.61	107	12234m	0.148	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.12	131	10693m	0.149	ppbv	
57) Chlorobenzene	12.15	112	18666m	0.164	ppbv	
58) Ethyl Benzene	12.72	91	27428m	0.131	ppbv	
59) m/p-Xylene	13.00	91	42527m	0.231	ppbv	
60) o-Xylene	13.70	91	21334m	0.124	ppbv	
61) Styrene	13.53	104	9980m	0.108	ppbv	
62) Isopropylbenzene	14.66	105	37492m	0.146	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.68	83	13506m	0.139	ppbv	
64) n-propylbenzene	15.56	120	7693m	0.122	ppbv	
65) tert-Butylbenzene	16.75	119	28661m	0.122	ppbv	
66) Benzyl Chloride	17.00	91	3400m	0.111	ppbv	
67) sec-Butylbenzene	17.29	105	38482m	0.120	ppbv	
69) p-Isopropyltoluene	17.65	119	29547m	0.109	ppbv	
70) n-Butylbenzene	18.56	91	31819m	0.115	ppbv	
71) 2-Chlorotoluene	15.45	91	25712m	0.131	ppbv	
72) 4-Ethyltoluene	15.84	105	22240m	0.110	ppbv	
73) 1,3,5-Trimethylbenzene	16.00	105	22232m	0.122	ppbv	
74) 1,2,4-Trimethylbenzene	16.76	105	22982m	0.113	ppbv	
75) 1,3-Dichlorobenzene	17.00	146	17126m	0.149	ppbv	
76) 1,4-Dichlorobenzene	17.14	146	15058m	0.131	ppbv	
77) 1,2-Dichlorobenzene	17.82	146	15503m	0.133	ppbv	
78) Hexachloro-1,3-Butadiene	23.38	225	14801m	0.139	ppbv	
79) Naphthalene	22.20	128	13067m	0.083	ppbv	
80) Naphthalene,2-methyl-	25.06	142	1832m	0.031	ppbv	
81) 1,2,4-Trichlorobenzene	21.94	180	9478m	0.095	ppbv	

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

