

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102721\
 Data File : VL037926.D
 Acq On : 27 Oct 2021 21:29
 Operator : SY/AP
 Sample : M4068-13 0.40 LOD
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2021

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/28/2021
 Supervised By : Mahesh Dadoda 10/29/2021

Quant Time: Oct 28 13:44:47 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL100421A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1342108	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4001200	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3372868	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2423016	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	124788	0.582	ppbv	100
3) Chlorodifluoromethane	3.00	51	117502	0.456	ppbv	98
4) Chloromethane	3.15	50	41948	0.444	ppbv	100
5) Vinyl Chloride	3.27	62	34963	0.404	ppbv #	82
6) Bromomethane	3.49	94	18859m	0.403	ppbv	
7) Chloroethane	3.57	64	15482m	0.486	ppbv	
8) Dichlorotetrafluoroethane	3.20	85	90724	0.428	ppbv	93
9) Propene	3.02	41	35912m	0.378	ppbv	
10) Heptane	8.13	43	62892m	0.292	ppbv	
11) Trichlorofluoromethane	3.97	101	86353m	0.451	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.50	101	65526m	0.452	ppbv	
14) Bromoethene	3.75	108	28090m	0.441	ppbv	
15) Acetone	3.89	43	56912m	0.472	ppbv	
16) 1,3-Butadiene	3.34	39	33539m	0.383	ppbv	
17) tert-Butyl alcohol	4.33	59	47448m	0.382	ppbv	
18) 1,1-Dichloroethene	4.30	96	26274m	0.399	ppbv	
19) Isopropyl Alcohol	4.00	45	27685m	0.369	ppbv	
20) Methylene Chloride	4.36	84	30578	0.502	ppbv	83
21) Allvl Chloride	4.42	41	44414m	0.416	ppbv	
22) trans-1,2-Dichloroethene	4.90	96	28139m	0.425	ppbv	
23) Vinyl Acetate	5.10	43	62934m	0.349	ppbv	
24) 1,1-Dichloroethane	5.02	63	60876m	0.463	ppbv	
25) Ethyl Acetate	5.70	43	122493	0.362	ppbv #	92
26) Hexane	5.70	57	51410m	0.309	ppbv	
27) Carbon Disulfide	4.56	76	56053m	0.380	ppbv	
28) Methyl tert-Butyl Ether	5.06	73	57984m	0.418	ppbv	
29) Chloroform	5.76	83	95756	0.402	ppbv	95
30) Cyclohexane	7.15	84	55014m	0.390	ppbv	
31) cis-1,2-Dichloroethene	5.56	61	50473m	0.334	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	85146	0.377	ppbv	95
34) 2-Butanone	5.27	43	57089m	0.353	ppbv	
35) Carbon Tetrachloride	7.02	117	89608m	0.394	ppbv	
36) Benzene	6.90	78	105387m	0.308	ppbv	
37) 1,2-Dichloroethane	6.31	62	57714	0.359	ppbv #	94
38) Trichloroethene	7.84	130	46666m	0.346	ppbv	
39) 1,2-Dichloropropane	7.62	63	46157m	0.359	ppbv	
40) 1,4-Dioxane	7.88	88	10263m	0.319	ppbv	
41) Tetrahydrofuran	6.10	42	17116m	0.216	ppbv	
42) Bromodichloromethane	7.80	83	82897m	0.351	ppbv	
43) Methyl Methacrylate	8.03	69	27502m	0.246	ppbv	
44) 2,2,4-Trimethylpentane	7.88	57	173278	0.302	ppbv #	85

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45) t-1,3-Dichloropropene	9.28	75	17960m	0.234	ppbv	
46) cis-1,3-Dichloropropene	8.72	75	25224m	0.237	ppbv	
47) 1,1,2-Trichloroethane	9.48	97	51165m	0.366	ppbv	
48) Dibromochloromethane	10.31	129	65500m	0.329	ppbv	
49) Bromoform	13.05	173	45922	0.301	ppbv	99
50) 4-Methyl-2-Pentanone	8.78	43	56139m	0.267	ppbv	
51) 2-Hexanone	10.19	43	20012m	0.213	ppbv	
52) Tetrachloroethene	11.23	164	41049m	0.309	ppbv	
53) Toluene	9.82	91	86278m	0.228	ppbv	
54) 1,2-Dibromoethane	10.62	107	57975m	0.307	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.13	131	59352	0.425	ppbv #	1
57) Chlorobenzene	12.15	112	126319m	0.457	ppbv	
58) Ethyl Benzene	12.72	91	112332m	0.248	ppbv	
59) m/p-Xylene	13.01	91	229081m	0.589	ppbv	
60) o-Xylene	13.70	91	101662	0.273	ppbv	98
61) Styrene	13.53	104	34454m	0.191	ppbv	
62) Isopropylbenzene	14.67	105	176744	0.340	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	109340	0.380	ppbv	93
64) n-propylbenzene	15.56	120	42103m	0.325	ppbv	
65) tert-Butylbenzene	16.76	119	140249	0.307	ppbv	95
66) Benzyl Chloride	17.00	91	5739m	0.254	ppbv	
67) sec-Butylbenzene	17.31	105	205042m	0.328	ppbv	
69) p-Isopropyltoluene	17.66	119	138785m	0.274	ppbv	
70) n-Butylbenzene	18.56	91	135194m	0.281	ppbv	
71) 2-Chlorotoluene	15.46	91	99712	0.272	ppbv	98
72) 4-Ethyltoluene	15.85	105	116570m	0.276	ppbv	
73) 1,3,5-Trimethylbenzene	16.00	105	113458m	0.295	ppbv	
74) 1,2,4-Trimethylbenzene	16.77	105	128627	0.319	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	104820m	0.419	ppbv	
76) 1,4-Dichlorobenzene	17.15	146	82149m	0.344	ppbv	
77) 1,2-Dichlorobenzene	17.82	146	93921m	0.391	ppbv	
78) Hexachloro-1,3-Butadiene	23.38	225	83251m	0.425	ppbv	
79) Naphthalene	22.21	128	41291m	0.167	ppbv	
80) Naphthalene,2-methyl-	25.10	142	1045	0.016	ppbv	87
81) 1,2,4-Trichlorobenzene	21.93	180	40987m	0.259	ppbv	

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

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