

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL102721\
 Data File : VL037928.D
 Acq On : 27 Oct 2021 22:44
 Operator : SY/AP
 Sample : M4068-14 0.5 LOQ
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 LOQ-AIR-02-QT4-2021

Manual Integrations
 APPROVED

Quant Time: Oct 28 14:06:20 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

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1335198	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4052640	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3348253	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2391922	10.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	119791	0.562 ppbv	95
3) Chlorodifluoromethane	3.00	51	146401	0.571 ppbv	100
4) Chloromethane	3.15	50	59702m	0.635 ppbv	
5) Vinyl Chloride	3.27	62	45140	0.524 ppbv	94
6) Bromomethane	3.48	94	26896m	0.577 ppbv	
7) Chloroethane	3.57	64	19171m	0.605 ppbv	
8) Dichlorotetrafluoroethane	3.20	85	123852	0.588 ppbv	98
9) Propene	3.02	41	46015	0.487 ppbv	98
10) Heptane	8.14	43	86899m	0.405 ppbv	
11) Trichlorofluoromethane	3.96	101	110550	0.581 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	78513	0.545 ppbv	92
13) Ethanol	3.64	45	4751m	0.615 ppbv	
14) Bromoethene	3.75	108	32919	0.519 ppbv #	97
15) Acetone	3.89	43	75045m	0.626 ppbv	
16) 1,3-Butadiene	3.34	39	45978m	0.527 ppbv	
17) tert-Butyl alcohol	4.32	59	61986m	0.502 ppbv	
18) 1,1-Dichloroethene	4.30	96	34031	0.519 ppbv	89
19) Isopropyl Alcohol	4.00	45	43794m	0.587 ppbv	
20) Methylene Chloride	4.36	84	36424m	0.601 ppbv	
21) Allyl Chloride	4.42	41	50591	0.476 ppbv	87
22) trans-1,2-Dichloroethene	4.90	96	32996m	0.501 ppbv	
23) Vinyl Acetate	5.09	43	72488	0.404 ppbv #	83
24) 1,1-Dichloroethane	5.02	63	76548m	0.585 ppbv	
25) Ethyl Acetate	5.70	43	151907	0.452 ppbv #	97
26) Hexane	5.70	57	71858	0.434 ppbv #	81
27) Carbon Disulfide	4.56	76	75564m	0.515 ppbv	
28) Methyl tert-Butyl Ether	5.06	73	64008m	0.464 ppbv	
29) Chloroform	5.76	83	125602	0.531 ppbv	98
30) Cyclohexane	7.14	84	68810m	0.490 ppbv	
31) cis-1,2-Dichloroethene	5.56	61	65878m	0.438 ppbv	
32) 1,1,1-Trichloroethane	6.52	97	112562	0.502 ppbv	95
34) 2-Butanone	5.28	43	71538m	0.437 ppbv	
35) Carbon Tetrachloride	7.02	117	111928	0.486 ppbv	85
36) Benzene	6.91	78	146996m	0.425 ppbv	
37) 1,2-Dichloroethane	6.31	62	81178m	0.498 ppbv	
38) Trichloroethene	7.84	130	59258m	0.433 ppbv	
39) 1,2-Dichloropropane	7.63	63	68017m	0.522 ppbv	
40) 1,4-Dioxane	7.89	88	17149m	0.526 ppbv	
41) Tetrahydrofuran	6.10	42	26977m	0.337 ppbv	
42) Bromodichloromethane	7.80	83	111229	0.465 ppbv #	97
43) Methyl Methacrylate	8.03	69	37177m	0.329 ppbv	

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44) 2,2,4-Trimethylpentane	7.88	57	253595m	0.436	ppbv	
45) t-1,3-Dichloropropene	9.29	75	23330m	0.300	ppbv	
46) cis-1,3-Dichloropropene	8.71	75	37894m	0.351	ppbv	
47) 1,1,2-Trichloroethane	9.48	97	68501m	0.484	ppbv	
48) Dibromochloromethane	10.31	129	83470m	0.414	ppbv	
49) Bromoform	13.05	173	60451m	0.392	ppbv	
50) 4-Methyl-2-Pentanone	8.78	43	74808m	0.351	ppbv	
51) 2-Hexanone	10.17	43	32352m	0.340	ppbv	
52) Tetrachloroethene	11.24	164	55273m	0.410	ppbv	
53) Toluene	9.82	91	126665m	0.330	ppbv	
54) 1,2-Dibromoethane	10.62	107	78218m	0.409	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.14	131	75843	0.547	ppbv #	1
57) Chlorobenzene	12.15	112	150234	0.547	ppbv #	93
58) Ethyl Benzene	12.72	91	165876m	0.369	ppbv	
59) m/p-Xylene	13.00	91	330207m	0.856	ppbv	
60) o-Xylene	13.70	91	142239	0.385	ppbv	97
61) Styrene	13.54	104	48698m	0.272	ppbv	
62) Isopropylbenzene	14.68	105	238891m	0.463	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.69	83	157372m	0.551	ppbv	
64) n-propylbenzene	15.57	120	53473m	0.416	ppbv	
65) tert-Butylbenzene	16.75	119	208596m	0.459	ppbv	
66) Benzyl Chloride	17.00	91	8627m	0.385	ppbv	
67) sec-Butylbenzene	17.30	105	264883	0.427	ppbv	97
69) p-Isopropyltoluene	17.66	119	198864m	0.396	ppbv	
70) n-Butylbenzene	18.56	91	177302	0.372	ppbv	97
71) 2-Chlorotoluene	15.46	91	137662	0.378	ppbv	99
72) 4-Ethyltoluene	15.85	105	157849	0.376	ppbv #	94
73) 1,3,5-Trimethylbenzene	16.01	105	150708	0.395	ppbv	97
74) 1,2,4-Trimethylbenzene	16.77	105	182712m	0.456	ppbv	
75) 1,3-Dichlorobenzene	17.00	146	127383	0.513	ppbv	97
76) 1,4-Dichlorobenzene	17.14	146	117579m	0.497	ppbv	
77) 1,2-Dichlorobenzene	17.83	146	109228	0.458	ppbv	94
78) Hexachloro-1,3-Butadiene	23.38	225	109295	0.561	ppbv	97
79) Naphthalene	22.22	128	59205m	0.241	ppbv	
80) Naphthalene, 2-methyl-	24.99	142	16785m	0.255	ppbv	
81) 1,2,4-Trichlorobenzene	21.93	180	54937m	0.350	ppbv	

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

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