

Data File : VL037049.D
Acq On : 24 May 2021 15:33
Operator : SY/AP
Sample : M2262-14 0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT2-2021

Manual Integrations
APPROVED

MMDadoda
5/25/2021 6:00:31 PM

Quant Time: May 25 03:08:59 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1211416	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3599183	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3236388	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2341877	9.63	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.03	85	144475	0.703	ppbv	94
3) Chlorodifluoromethane	2.97	51	133461	0.601	ppbv	94
4) Chloromethane	3.12	50	38914	0.515	ppbv	96
5) Vinyl Chloride	3.24	62	46643	0.565	ppbv	95
6) Bromomethane	3.46	94	26383m	0.607	ppbv	
7) Chloroethane	3.54	64	14696	0.548	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	120832	0.626	ppbv	93
9) Propene	2.99	41	45966	0.578	ppbv	97
10) Heptane	8.10	43	98282	0.496	ppbv	99
11) Trichlorofluoromethane	3.93	101	116571	0.613	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.46	101	87275	0.644	ppbv	97
13) Ethanol	3.62	45	9963m	0.940	ppbv	
14) Bromoethene	3.72	108	33062	0.554	ppbv #	89
15) Acetone	3.85	43	73495m	0.592	ppbv	
16) 1,3-Butadiene	3.31	39	45563m	0.591	ppbv	
17) tert-Butyl alcohol	4.30	59	64206m	0.565	ppbv	
18) 1,1-Dichloroethene	4.27	96	35482m	0.566	ppbv	
19) Isopropyl Alcohol	3.98	45	44318m	0.664	ppbv	
20) Methylene Chloride	4.32	84	52247	0.786	ppbv	97
21) Allyl Chloride	4.39	41	44514	0.476	ppbv #	82
22) trans-1,2-Dichloroethene	4.86	96	34264m	0.571	ppbv	
23) Vinyl Acetate	5.07	43	82651	0.420	ppbv #	91
24) 1,1-Dichloroethane	4.99	63	70898	0.500	ppbv #	97
25) Ethyl Acetate	5.67	43	154722	0.519	ppbv	98
26) Hexane	5.67	57	87830	0.577	ppbv	90
27) Carbon Disulfide	4.53	76	63805m	0.416	ppbv	
28) Methyl tert-Butyl Ether	5.03	73	87174	0.477	ppbv	98
29) Chloroform	5.73	83	126731	0.589	ppbv	100
30) Cyclohexane	7.11	84	70404m	0.544	ppbv	
31) cis-1,2-Dichloroethene	5.52	61	65691	0.481	ppbv	87
32) 1,1,1-Trichloroethane	6.49	97	113340	0.490	ppbv	93
34) 2-Butanone	5.24	43	74536m	0.569	ppbv	
35) Carbon Tetrachloride	7.00	117	112726	0.471	ppbv	97
36) Benzene	6.87	78	165701	0.534	ppbv	97
37) 1,2-Dichloroethane	6.29	62	88327m	0.575	ppbv	
38) Trichloroethene	7.81	130	72776m	0.549	ppbv	
39) 1,2-Dichloropropane	7.59	63	66629m	0.558	ppbv	
40) 1,4-Dioxane	7.85	88	22134m	0.785	ppbv	
41) Tetrahydrofuran	6.06	42	34989m	0.469	ppbv	
42) Bromodichloromethane	7.77	83	104257	0.448	ppbv #	94
43) Methyl Methacrylate	8.00	69	49372m	0.462	ppbv	

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Quant Time: May 25 03:08:59 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue May 18 2021
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	277202	0.521	ppbv	98
45) t-1,3-Dichloropropene	9.25	75	26299m	0.322	ppbv	
46) cis-1,3-Dichloropropene	8.68	75	42288m	0.385	ppbv	
47) 1,1,2-Trichloroethane	9.45	97	62639	0.501	ppbv	90
48) Dibromochloromethane	10.28	129	81581m	0.403	ppbv	
49) Bromoform	13.01	173	54700m	0.327	ppbv	
50) 4-Methyl-2-Pentanone	8.75	43	97232m	0.450	ppbv	
51) 2-Hexanone	10.14	43	42030m	0.368	ppbv	
52) Tetrachloroethene	11.20	164	72893m	0.591	ppbv	
53) Toluene	9.78	91	178432	0.484	ppbv	98
54) 1,2-Dibromoethane	10.59	107	84316	0.474	ppbv	91
56) 1,1,1,2-Tetrachloroethane	12.10	131	67413	0.495	ppbv #	1
57) Chlorobenzene	12.12	112	154962m	0.618	ppbv	
58) Ethyl Benzene	12.69	91	243451	0.533	ppbv	94
59) m/p-Xylene	12.97	91	422024m	1.118	ppbv	
60) o-Xylene	13.67	91	205856	0.572	ppbv	98
61) Styrene	13.50	104	91113	0.449	ppbv	92
62) Isopropylbenzene	14.64	105	295013	0.570	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.65	83	131301	0.488	ppbv	96
64) n-propylbenzene	15.54	120	64915	0.486	ppbv #	61
65) tert-Butylbenzene	16.72	119	260526	0.558	ppbv	94
66) Benzyl Chloride	16.97	91	8062m	0.311	ppbv	
67) sec-Butylbenzene	17.27	105	337465	0.530	ppbv	98
69) p-Isopropyltoluene	17.63	119	265559	0.485	ppbv	97
70) n-Butylbenzene	18.53	91	240280	0.462	ppbv	100
71) 2-Chlorotoluene	15.43	91	197704	0.529	ppbv	98
72) 4-Ethyltoluene	15.81	105	214354	0.502	ppbv	96
73) 1,3,5-Trimethylbenzene	15.97	105	197175	0.491	ppbv	92
74) 1,2,4-Trimethylbenzene	16.74	105	211201	0.509	ppbv #	92
75) 1,3-Dichlorobenzene	16.97	146	138821m	0.548	ppbv	
76) 1,4-Dichlorobenzene	17.11	146	136341m	0.532	ppbv	
77) 1,2-Dichlorobenzene	17.80	146	122798	0.484	ppbv	90
78) Hexachloro-1,3-Butadiene	23.36	225	103745m	0.508	ppbv	
79) Naphthalene	22.18	128	83909	0.258	ppbv #	96
80) Naphthalene,2-methyl-	25.03	142	13560m	0.192	ppbv	
81) 1,2,4-Trichlorobenzene	21.91	180	71064m	0.358	ppbv	

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

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