

Data File : VL037047.D
Acq On : 24 May 2021 14:19
Operator : SY/AP
Sample : M2262-13 0.45
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2021

Manual Integrations
APPROVED

MMDadoda
5/25/2021 6:00:27 PM

Quant Time: May 25 02:21:27 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	5.64	49	1244353	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3746373	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3342430	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2380697	9.48	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.03	85	145281	0.688	ppbv	92
3) Chlorodifluoromethane	2.97	51	133228	0.584	ppbv	99
4) Chloromethane	3.12	50	40152m	0.518	ppbv	
5) Vinyl Chloride	3.24	62	41165	0.485	ppbv	90
6) Bromomethane	3.46	94	24088m	0.539	ppbv	
7) Chloroethane	3.54	64	15944m	0.579	ppbv	
8) Dichlorotetrafluoroethane	3.17	85	112165	0.566	ppbv	92
9) Propene	2.99	41	41103	0.504	ppbv	89
10) Heptane	8.10	43	95713	0.470	ppbv	97
11) Trichlorofluoromethane	3.93	101	119091	0.609	ppbv #	82
12) 1,1,2-Trichlorotrifluoroet	4.47	101	82393	0.592	ppbv	98
13) Ethanol	3.62	45	8459m	0.777	ppbv	
14) Bromoethene	3.72	108	31011	0.506	ppbv #	93
15) Acetone	3.86	43	73662m	0.578	ppbv	
16) 1,3-Butadiene	3.31	39	39025	0.493	ppbv	92
17) tert-Butyl alcohol	4.31	59	62274m	0.533	ppbv	
18) 1,1-Dichloroethene	4.27	96	32012	0.497	ppbv	83
19) Isopropyl Alcohol	3.98	45	42042m	0.614	ppbv	
20) Methylene Chloride	4.32	84	51506	0.754	ppbv	91
21) Allyl Chloride	4.39	41	41967	0.436	ppbv #	83
22) trans-1,2-Dichloroethene	4.87	96	32443m	0.526	ppbv	
23) Vinyl Acetate	5.07	43	75997	0.376	ppbv #	95
24) 1,1-Dichloroethane	4.99	63	74106	0.509	ppbv #	96
25) Ethyl Acetate	5.66	43	128057	0.418	ppbv #	91
26) Hexane	5.66	57	88000	0.562	ppbv	91
27) Carbon Disulfide	4.53	76	58000	0.368	ppbv #	81
28) Methyl tert-Butyl Ether	5.03	73	90485	0.482	ppbv	93
29) Chloroform	5.73	83	116459	0.527	ppbv	97
30) Cyclohexane	7.10	84	59103	0.445	ppbv	85
31) cis-1,2-Dichloroethene	5.53	61	66307	0.473	ppbv	91
32) 1,1,1-Trichloroethane	6.48	97	108787	0.458	ppbv	97
34) 2-Butanone	5.24	43	55442	0.406	ppbv #	73
35) Carbon Tetrachloride	6.99	117	110742	0.445	ppbv #	95
36) Benzene	6.86	78	150008	0.465	ppbv	96
37) 1,2-Dichloroethane	6.28	62	80151	0.501	ppbv #	95
38) Trichloroethene	7.81	130	64393	0.466	ppbv	93
39) 1,2-Dichloropropane	7.59	63	57478	0.462	ppbv	99
40) 1,4-Dioxane	7.85	88	20904m	0.712	ppbv	
41) Tetrahydrofuran	6.06	42	36318m	0.467	ppbv	
42) Bromodichloromethane	7.76	83	98613	0.407	ppbv	93
43) Methyl Methacrylate	8.00	69	44405m	0.399	ppbv	

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Quant Title : AIR ANALYSIS BY METHOD TO-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	7.84	57	264309	0.477	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	25862m	0.304	ppbv	
46) cis-1,3-Dichloropropene	8.67	75	43523m	0.381	ppbv	
47) 1,1,2-Trichloroethane	9.45	97	59322	0.456	ppbv	95
48) Dibromochloromethane	10.28	129	76039	0.361	ppbv	96
49) Bromoform	13.01	173	51955m	0.299	ppbv	
50) 4-Methyl-2-Pentanone	8.75	43	94050m	0.418	ppbv	
51) 2-Hexanone	10.15	43	44266m	0.372	ppbv	
52) Tetrachloroethene	11.19	164	69854	0.544	ppbv #	78
53) Toluene	9.78	91	176240m	0.459	ppbv	
54) 1,2-Dibromoethane	10.58	107	85637	0.463	ppbv	84
56) 1,1,1,2-Tetrachloroethane	12.10	131	65447	0.465	ppbv #	1
57) Chlorobenzene	12.12	112	143470	0.554	ppbv #	89
58) Ethyl Benzene	12.68	91	239749	0.508	ppbv	94
59) m/p-Xylene	12.97	91	401559m	1.030	ppbv	
60) o-Xylene	13.66	91	194103	0.522	ppbv	98
61) Styrene	13.50	104	85590	0.409	ppbv	90
62) Isopropylbenzene	14.64	105	284283	0.532	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.65	83	127144	0.458	ppbv	90
64) n-propylbenzene	15.54	120	62990	0.457	ppbv #	62
65) tert-Butylbenzene	16.72	119	249939	0.518	ppbv	94
66) Benzyl Chloride	16.96	91	9475m	0.354	ppbv	
67) sec-Butylbenzene	17.27	105	327280	0.497	ppbv	99
69) p-Isopropyltoluene	17.63	119	255826	0.452	ppbv	97
70) n-Butylbenzene	18.53	91	231868	0.431	ppbv	99
71) 2-Chlorotoluene	15.43	91	195394	0.506	ppbv	100
72) 4-Ethyltoluene	15.81	105	200342	0.454	ppbv #	96
73) 1,3,5-Trimethylbenzene	15.98	105	217847m	0.526	ppbv	
74) 1,2,4-Trimethylbenzene	16.74	105	202893	0.473	ppbv	95
75) 1,3-Dichlorobenzene	16.97	146	133576m	0.510	ppbv	
76) 1,4-Dichlorobenzene	17.11	146	126468m	0.478	ppbv	
77) 1,2-Dichlorobenzene	17.79	146	131237m	0.500	ppbv	
78) Hexachloro-1,3-Butadiene	23.35	225	103044m	0.489	ppbv	
79) Naphthalene	22.18	128	91242m	0.271	ppbv	
80) Naphthalene,2-methyl-	24.99	142	18389m	0.251	ppbv	
81) 1,2,4-Trichlorobenzene	21.91	180	67749m	0.330	ppbv	

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

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