

Data File : VL037048.D
Acq On : 24 May 2021 14:56
Operator : SY/AP
Sample : M2262-13 0.40
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 6:00:29 PM

Quant Time: May 25 03:04:24 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 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	1197074	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3681842	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3268586	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2434996	9.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.03	85	115757	0.570	ppbv	98
3) Chlorodifluoromethane	2.97	51	109623	0.500	ppbv	97
4) Chloromethane	3.12	50	32395	0.434	ppbv	95
5) Vinyl Chloride	3.24	62	33829	0.415	ppbv #	86
6) Bromomethane	3.46	94	21529m	0.501	ppbv	
7) Chloroethane	3.54	64	13260m	0.501	ppbv	
8) Dichlorotetrafluoroethane	3.17	85	96481	0.506	ppbv	98
9) Propene	2.99	41	37247	0.474	ppbv	91
10) Heptane	8.10	43	74532	0.381	ppbv	94
11) Trichlorofluoromethane	3.93	101	95143	0.506	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	69598m	0.520	ppbv	
13) Ethanol	3.62	45	7295m	0.696	ppbv	
14) Bromoethene	3.73	108	25319	0.429	ppbv #	89
15) Acetone	3.86	43	62111	0.507	ppbv #	65
16) 1,3-Butadiene	3.31	39	32322	0.424	ppbv	92
17) tert-Butyl alcohol	4.32	59	50459m	0.449	ppbv	
18) 1,1-Dichloroethene	4.26	96	28681m	0.463	ppbv	
19) Isopropyl Alcohol	3.98	45	35097m	0.532	ppbv	
20) Methylene Chloride	4.33	84	49466	0.753	ppbv	91
21) Allyl Chloride	4.39	41	41600m	0.450	ppbv	
22) trans-1,2-Dichloroethene	4.87	96	23677m	0.399	ppbv	
23) Vinyl Acetate	5.07	43	69613m	0.358	ppbv	
24) 1,1-Dichloroethane	4.99	63	60014	0.428	ppbv	99
25) Ethyl Acetate	5.67	43	115746	0.393	ppbv	99
26) Hexane	5.66	57	68165m	0.453	ppbv	
27) Carbon Disulfide	4.53	76	51551m	0.340	ppbv	
28) Methyl tert-Butyl Ether	5.03	73	78246	0.434	ppbv	97
29) Chloroform	5.73	83	98802m	0.465	ppbv	
30) Cyclohexane	7.11	84	52300m	0.409	ppbv	
31) cis-1,2-Dichloroethene	5.53	61	53997m	0.400	ppbv	
32) 1,1,1-Trichloroethane	6.48	97	92151	0.404	ppbv	95
34) 2-Butanone	5.25	43	64424m	0.481	ppbv	
35) Carbon Tetrachloride	6.99	117	85608	0.350	ppbv	96
36) Benzene	6.86	78	125212	0.395	ppbv	97
37) 1,2-Dichloroethane	6.29	62	61538	0.391	ppbv #	95
38) Trichloroethene	7.81	130	53064m	0.391	ppbv	
39) 1,2-Dichloropropane	7.59	63	48181m	0.394	ppbv	
40) 1,4-Dioxane	7.86	88	14711m	0.510	ppbv	
41) Tetrahydrofuran	6.06	42	26133m	0.342	ppbv	
42) Bromodichloromethane	7.77	83	78544	0.330	ppbv #	78
43) Methyl Methacrylate	8.01	69	36528m	0.334	ppbv	

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44) 2,2,4-Trimethylpentane	7.84	57	215869	0.397	ppbv	97
45) t-1,3-Dichloropropene	9.26	75	21445m	0.257	ppbv	
46) cis-1,3-Dichloropropene	8.68	75	34636m	0.308	ppbv	
47) 1,1,2-Trichloroethane	9.45	97	49864	0.390	ppbv	93
48) Dibromochloromethane	10.28	129	62789m	0.303	ppbv	
49) Bromoform	13.02	173	39922m	0.233	ppbv	
50) 4-Methyl-2-Pentanone	8.76	43	74348m	0.336	ppbv	
51) 2-Hexanone	10.15	43	36259m	0.310	ppbv	
52) Tetrachloroethene	11.19	164	54656	0.433	ppbv #	88
53) Toluene	9.78	91	142098m	0.377	ppbv	
54) 1,2-Dibromoethane	10.58	107	70917m	0.390	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.10	131	56289m	0.409	ppbv	
57) Chlorobenzene	12.12	112	117360	0.463	ppbv #	90
58) Ethyl Benzene	12.68	91	189897	0.412	ppbv	89
59) m/p-Xylene	12.96	91	324691m	0.851	ppbv	
60) o-Xylene	13.66	91	156109	0.429	ppbv	99
61) Styrene	13.51	104	66464	0.324	ppbv	92
62) Isopropylbenzene	14.64	105	232763m	0.445	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.65	83	98736	0.364	ppbv	90
64) n-propylbenzene	15.54	120	55984m	0.415	ppbv	
65) tert-Butylbenzene	16.72	119	190511	0.404	ppbv	88
66) Benzyl Chloride	16.97	91	8275m	0.316	ppbv	
67) sec-Butylbenzene	17.27	105	254939	0.396	ppbv	96
69) p-Isopropyltoluene	17.63	119	223272m	0.404	ppbv	
70) n-Butylbenzene	18.53	91	187983m	0.358	ppbv	
71) 2-Chlorotoluene	15.42	91	158672m	0.420	ppbv	
72) 4-Ethyltoluene	15.82	105	174082m	0.403	ppbv	
73) 1,3,5-Trimethylbenzene	15.97	105	151100	0.373	ppbv	86
74) 1,2,4-Trimethylbenzene	16.74	105	160756	0.384	ppbv	90
75) 1,3-Dichlorobenzene	16.97	146	104567m	0.409	ppbv	
76) 1,4-Dichlorobenzene	17.11	146	102823	0.397	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	104195m	0.406	ppbv	
78) Hexachloro-1,3-Butadiene	23.35	225	85412m	0.414	ppbv	
79) Naphthalene	22.18	128	73583m	0.224	ppbv	
80) Naphthalene,2-methyl-	25.00	142	9393m	0.131	ppbv	
81) 1,2,4-Trichlorobenzene	21.91	180	53520m	0.267	ppbv	

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

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